

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

MICHELL'S 1914 SEED BOOK

THE
EVERBLOOMING
BUTTERFLY BUSH

SEE PAGE 1

50¢ EACH 3 FOR \$1.25
\$5.00 PER DOZ.

HENRY F. MICHELL CO.
518 MARKET ST.
PHILADELPHIA

DAHLIA
PRIDE OF
ANDALUSIA

SEE PAGE 1

50¢ EACH, \$5.00 DOZ.

PLEASE READ! We aim to give our customers the best service possible. If we make an error, tell us about it, and we'll make it right to your satisfaction. If there is any information that you want in our line of business, write us (if you can't call), and we shall be glad to give it careful attention. Our various departments are in charge of experts, who are able to answer intelligently almost all inquiries pertaining to horticulture or agriculture. Always write inquiries on a sheet separate from your order; it means a quicker reply.

SPECIAL ATTENTION

We have greatly increased our facilities for handling plant orders at our Nursery, and can promise prospective buyers in this line extra-good value. We make a specialty of hardy flowers, which department is in charge of a man with many years of practical experience.

BUSINESS TERMS

We especially invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to **Dun's or Bradstreet's Mercantile Agency.**

When sending your first charge order, refer, preferably, to someone with whom you have a charge account. This saves many a delay.

When sending us your first order accompanied by remittance, we prefer bank cashier's check or money order, unless cash is sent; this frequently saves delays.

Goods can be sent C. O. D., with the exception of perishable items, which includes plants and cold-storage bulbs. These cannot be sent C. O. D., unless a partial remittance accompanies the order.

PARCEL POST

The rate on seeds, plants and bulbs to any point in the U. S. is 8 cts. per lb., these items not being governed by zone or distance. On such items that are not marked postpaid, customers should allow in their remittance for postage charges. If too much is remitted, we will refund the excess. This frequently saves delays in executing orders.

WE PAY POSTAGE AND PACKING CHARGES

Except as noted

On all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (pints and quarts are **not included**), or such other seeds where mention is made in catalogue. If all seeds are wanted by mail, remit for postage at the following rates: (Consult your post office for weight limits.)

For each pint of Peas, Beans and Corn, 8 cents.

For each quart of Peas, Beans and Corn, 15 cents.

For each quart of Grass Seed (excepting Clover and Timothy), 5 cents.

For each pound of Clover, Timothy or any other Farm or Feeding Seed, 8 cents.

Postage rate on seeds, plants and bulbs anywhere in the U. S. is 8 cts. per lb., regardless of zone or distance. Customers should always allow postage charges on such items as we do not agree to deliver free.

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, 22 cts. each, which are returnable for credit at the price charged.

Henry F. Michell Company endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept our goods on the above conditions, they can be returned to us within ten days if in original packages free of expense to us.

DELIVERY SERVICE

To points where Baggage-Master or Package Service is in operation, we can ship **all orders which can be packed in one parcel or piece not exceeding 50 pounds in weight** free of transportation charges at prices quoted in this catalogue. Fertilizers in more than 25-lb. lots, or bulky packages, are not accepted by baggage-master service. Our wagon delivery also covers many sections of Philadelphia.

CORRESPONDENCE IN FOREIGN LANGUAGES

For the convenience of our customers who would prefer their native language, we are pleased to announce that we are prepared to correspond in German and French.

Hier wird Deutsch gesprochen.

Ici on parle Français.

SHIPPING INSTRUCTIONS

Always state clearly by what method you want goods forwarded, otherwise we will ship according to our best judgment.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their orders for **seeds, plants and bulbs** during January and February. Shipment need not be made until you need the goods, when they will be ready.

**SPECIAL ATTENTION
TO TELEPHONE ORDERS**

ORDER BY TELEPHONE

We have installed a most modern system of over 50 phones, enabling our customers to receive instant attention. A special staff of experienced salespeople are reserved exclusively for the telephone service, so that our patrons may enjoy intelligent shopping from their homes.

TELEPHONE SERVICE

BELL SYSTEM— { 4220 4222 4224
Lombard { 4221 4223 4225

KEYSTONE SYSTEM—Main { 3600
3601

SPECIAL NOTE

We shall be very glad to procure for our customers any seeds or other goods that seedsmen of our city list which are not in our catalogue, and include them with your shipment. Such seeds or articles will be sent out in their original packages, and will be charged to you at exactly what they would cost you if purchased direct. *No extra charge for the accommodation.*

INVITATION

All customers and others interested in horticulture or agriculture are cordially invited to visit our plant establishment at Andalusia Station (N. Y. Division of P. R. R.) about 16 miles from Philadelphia. In the spring, summer and autumn we invariably have interesting displays of hardy flowers, etc. This invitation applies to our city establishment as well, at 518 Market Street, Philadelphia.

HENRY F. MICHELL CO.

518 MARKET STREET PHILADELPHIA

HENRY F. MICHELL, Pres. FRED'K J. MICHELL, Vice-Pres.

Plant Establishment and Experimental Grounds, Andalusia Station, above Torresdale, Pa.

Warehouses: 509-511-513 Ludlow Street, Phila.



ENTRY STAMP

MICHELL'S SEEDS, BULBS, PLANTS, Etc.
HENRY F. MICHELL CO., 518 Market St., PHILADELPHIA.

GAY HERE IF TO BE SHIPPED IN CARE OF ANYONE. AND WHO

SAY HERE IF TO BE QUOTED IN CARE OF ANYONE AND WHO

P. O. Street or
R. F. D. Address

Shipping Address NAME OF TOWN TO BE SHIPPED TO IF DIFFERENT FROM P. O. ADDRESS

Ship by

PAY HERE, MAIL, EXPRESS, BOAT OR FREIGHT

State

Charge to
Superintendent's
or Gardener's Name
FOR PURPOSE OF NOTIFICATION OF SHIPMENT

Chargo to

DON'T WRITE HERE

Charge Address

AMOUNT ENCLOSED

STAMPS M. O. OHEOK OASH

STAMPS M. O. OHEOK OASH

STAMPS M. O. OHEOK OASH

DON'T WRITE IN THIS SPACE

FILLED BY

D'BLE CHE'KD BY

SENT BY

DATE	DATE
------	------

[illegible][illegible]

QUANTITY	✓
X	

DESCRIPTION

UNIT	TOTAL
------	-------

CUSTOMERS:—PLEASE DON'T WRITE IN THESE COLUMNS X OR Y, FOR ORDER CLERKS

Henry F. Michell Company endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept goods on above conditions, they can be returned to us within ten days.

652 * F1-9-00002

SPECIAL NOTICE

Fill out Name and Addressee asked for above, carefully. It is always best to write letters or inquiries on a separate memorandum, NOT on order sheets.

MADE BY BAKER-YAWTER CO. -- H2

OVER

MICHELL'S PLANT SPECIALTIES

SHOWN ON
FRONT COVER

Our 1914 Catalogue front cover subjects are described in detail below. Each has been drawn from nature, and our descriptions are not exaggerated in the least.

THE EVERBLOOMING BUTTERFLY BUSH

(*Buddleia Variabilis Magnifica*)

For the third year now we offer this as a plant specialty, because in our opinion it is of sterling worth. In 1913 we disposed of about 10,000 plants, and we would have sold as many more had we been able to furnish them. The plant recommends itself. All who see it want it. We originally imported the stock, with other plants, from Europe, and after testing it out, found it a most worthy specimen. The name, "Butterfly Bush," was applied to it because it seemed to attract butterflies in large numbers. Particularly we noticed that it was not the common little yellow species of butterfly, but rather the large and gorgeously colored ones that swarmed about it as though vying with it in brilliancy of color. This shrub, from a young plant set out in May, will mature to full size the first season, producing a handsome bush, which the first year often attains a height of four feet. It produces long, graceful stems which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flower-head which is frequently 10 inches long. A single plant the first season will throw out as many as 50 flower spikes, which increase greatly in number during succeeding years. The year after planting it generally commences to flower in June and continuing each season until severe frosts nip it. It is rather semi-herbaceous, by which we mean in some latitudes it will die down to the ground and, while perfectly hardy, we do recommend covering the roots with manure as winter approaches, as this will produce a heavy growth the following season. This plant is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubbery border, but always place it in the full sunlight. If the plant is attacked with any insect, it might be red spider, an application of Lemon Oil Insecticide (which we sell) will quickly remedy the trouble.

TESTIMONIALS ON BUTTERFLY BUSH

These are a few of many unsolicited ones we have received during the past summer.

The Butterfly Bush Plants ordered from you this spring are a wonder. I wish you could see them. Five feet high and full of handsome flowers. All who see it praise its beauty and free-flowering qualities.
CHICAGO, ILL.
WILLIAM D. HOLLIS.

The Butterfly Bushes from you this spring did beautifully and I was thoroughly pleased.
Rye, N. Y.
MRS. MAY FOLWELL HOISINGTON.

I bought a Butterfly Bush from you last spring and it is a dandy, over four feet in height and has been in bloom since July.
Kennedyville, Md.
JAMES E. WIER.

You may be interested in knowing that I have a Butterfly Bush two years old, with twenty-three flowers and buds beyond count.
Collingdale, Pa.
HARRY E. BARTOW.

Order early, as last year we could not supply the demand.

Price for strong young plants, which will bloom the first season, if set out early (Ready after April 15th), 50c. each (postpaid); 3 for \$1.25; \$5.00 per doz.; per 100, \$35.00; 25 at 100 rate



A Single Flower Head of Butterfly Bush (about half size)

NEW DECORATIVE CACTUS DAHLIA Pride of Andalusia

As will be seen by glancing at the front cover page, this is a beautiful shade of canary-yellow. It was discovered in our Plant Establishment in 1912, and after observing it for two seasons we have concluded that it may be classed among the extra fine varieties. The flower is somewhat flat and in the centre is of distinctly decorative type, while towards the outer edge of the petals it is more tapered, lacinated and slightly fluted. It is about 5 inches in diameter with a very full centre. It produces perfect flowers, earlier than most other kinds, and blooms uninterruptedly until nipped by frost. It is borne on long, stiff stems and makes an ideal cut flower. The bush of the plant is of extremely healthy and robust habit. It had been supposed that this variety was already in existence under another name, but after comparing notes carefully we find a marked difference from others and are convinced, on account of its many characteristics, that it is an entirely new variety. For this season we will offer it in strong young plants only, which will bloom freely the first year. Ready after May 1st. 50c each, postpaid; 3 for \$1.25; \$5.00 per dozen.

SPECIAL PRIZES \$15.00.—We will offer at our Annual Dahlia Show, to be held September 24, 25, 26 and 27, prizes amounting to \$15.00 for the best three vases of 12 flowers each of this variety. For further particulars, see page 9.



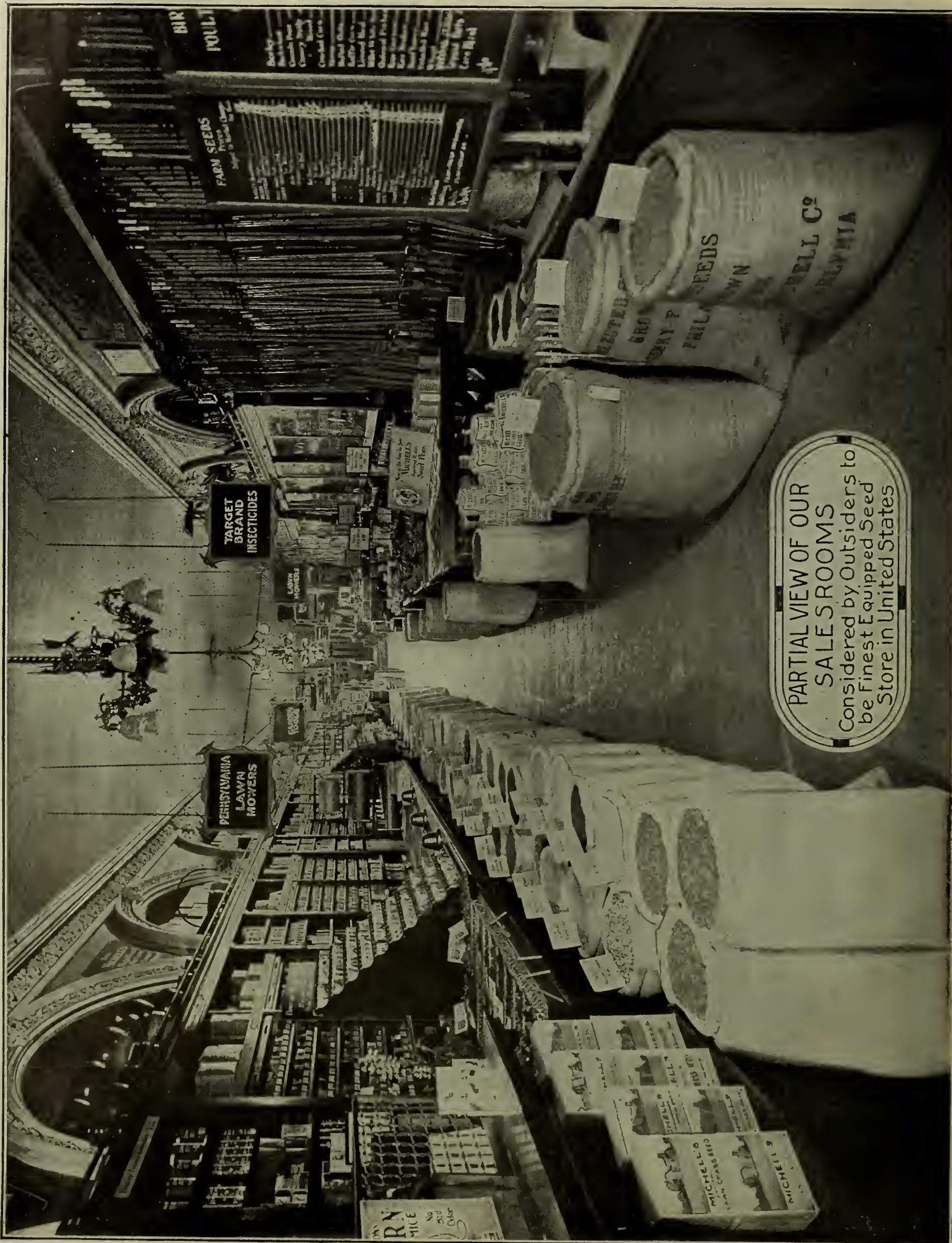
New Dahlia (Pride of Andalusia)

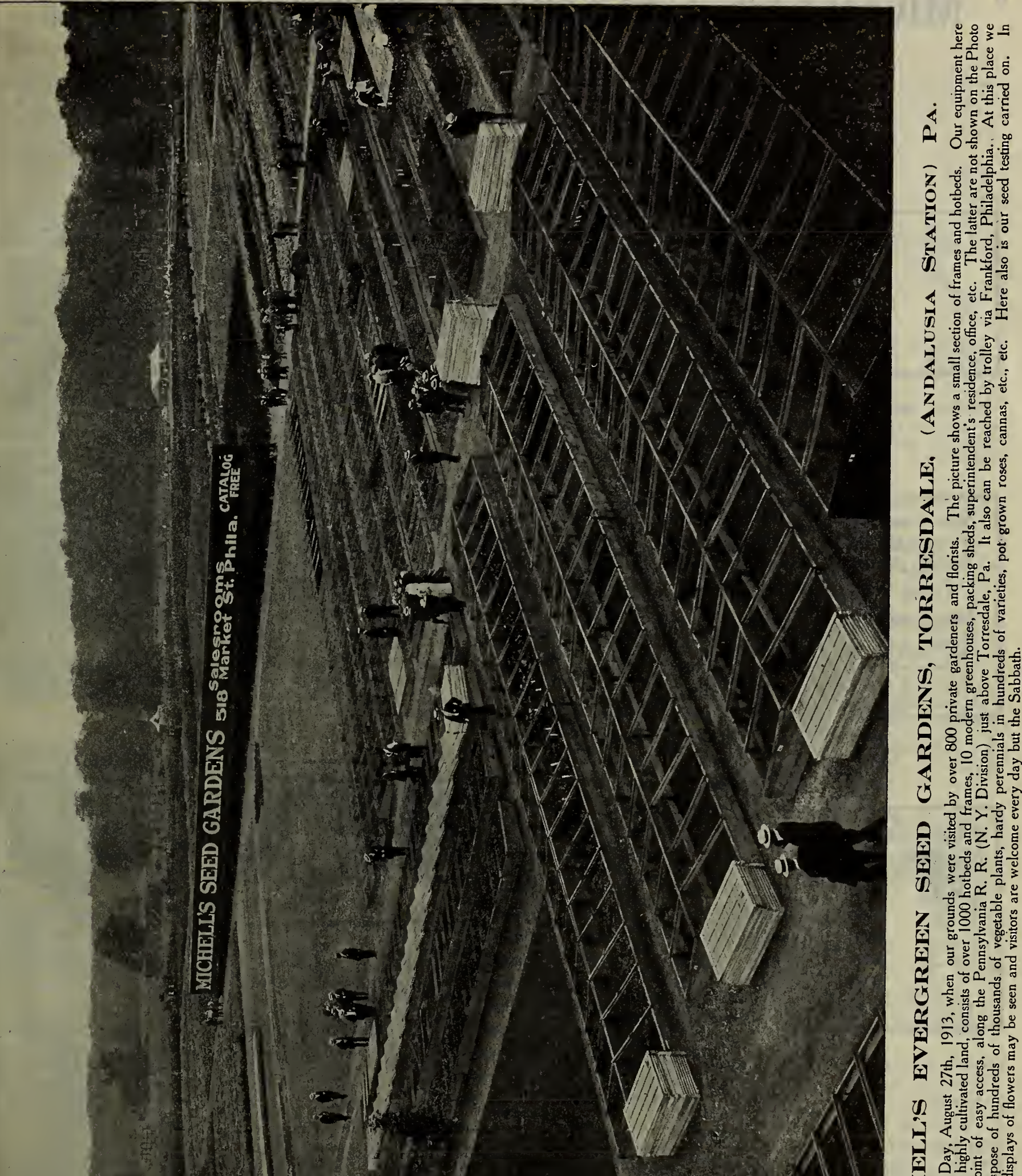
INDEX TO CONTENTS OF MICHELL'S 1914 CATALOG

SPECIAL NOTICE—This Index is arranged in strict alphabetical order regardless of classification of items

Abies	178	Bergamot (Monarda)	99	Cerastium	88	Dried Fish	220	Gloxinias	117
Abutilon	78	Betula	178	Cercls	178	Drinking Founts	213	Gnaphallum (Plants)	154
Abutilon (Plants)	136	Blignolia	165	Charecoal	201	Dusters	216	Godetia	93
Acalypha	136	Bill Hooks	190	Cherries	177	Dusty Miller (Centaurea)	87	Golden Rod	93
Acer	178	Birch	178	Chervil	44, 53	(Clnerarla Var.)	88	Gomphrena	93
Achillea	78	Blrd Manna	209	Chestnuts	176	Dutch Clover	30	Gooseberries	175
Achillea (Plants)	150	Blrd Seed	209	Chicory	49	Echinoecystis	91	Gourd	93
Achyranthes	136	Blackberries	173, 174	Children's Garden Sets	192	Echnops (Plants)	154	Grafting Tool	190
Aeldanthera	116	Blackberries	174	Chives	44, 53, 69	Edelweiss	92	Grafting Wax	190, 201
Aconitum	78	Black Leaf No. 40	218	Chlothra	168	Edelweiss (Plants)	154	Grape Bags	205
Aconitum (Plants)	150	Bleeding Hearts	154	Christmas Rose (Plants)	88	Edging Knives	193	Grape Dust	218
Acroclinium	73	Blood, Bone and Potash	220	Chrysanthemum	88	Egg Boxes	211	Grape Grinders	200
Actaea	150	Blood (Dried)	220	Chrysanthemum (Plants)	21, 22, 134, 135, 152, 153	Egg Plants	49	Grapes	173, 175
Actinidia	165	Blood Flour	220	Cibotium	133	Egg Plants (Plants)	69	Grape Scissors	189
Adiantum	133	Bocconia (Plants)	151	Cider Mills	200	Egg Testers	212	Grass Catchers	187
Adumlia	78	Bokhara Clover	30	Clnerarla	88	Elchhornia (Plants)	131	Grass Edger	193
Adonis	78	Boltonia	85	Cinnamon Vines	165	Eleagnus	168	Grasses, Ornamental	93
Aesculus	178	Boitonia (Plants)	151	Citron	55	Elephant Ears	116	Grasses, Ornamental (Plants)	147
Aetheopappus	19, 150	Bon Arbor	220	Clarkia	88	Emery	189	Grass Hooks	189
Ageratum	78	Bone	220	Clay's Fertilizer	220	Emmer	74	Grass Seeds	23 to 18
Agrostemma	78	Bone Flour	220	Clematis	88	Endive	50	Grass Shears	189
Agrostemma (Plants)	150	Bone Meal	220	Clematis (Plants)	164	Erynglum (Plants)	151	Greenhouse Plants	132, 133
Akebia	165	Bone Mills	212	Cleome	88	Eschscholtzla	92	Greenhouse Shades	205
Alca Garden Tool	199	Bonora	220	Climax Lawn Sand	220	Essex Rape	73	Greenhouse White	198
Alfalfa	30, 71	Books	224	Climbing Plants	164 to 167	Eulalla (see Grasses)	93	Grevillea	93
Alfalfa Covers	30	Borage	37, 53	Clovers	29, 30	Euonymus	19, 166, 169	Grindstones	198
Allegheny Vine	78	Bordeaux Mixture	218	Cobea (Plants)	165	Eupatorium	92	Grlt Boxes	212
Almonds	176	Border Shears	189	Cobea	89	Eupatorium (Plants)	154	Guano (Peruvian)	221
Alphano-Humus	222	Borecole	50	Cocos	132	Euphorbia	92	Guards	204
Alsike	30	Boro-Wax	218	Cockscorn (Celosia)	13, 87	Evening Primrose (Oeno-thera)	159, 101	Gumbo	56
Althaea	172	Boston Ivy	165	Coleus (see Grasses)	93	Evergreens	178	Gynelrum (see Grasses)	93
Althernantheras	136	Botanical and Common Names of Flowers	75	Coleus (Plants)	136	Exhibition Coops	210	Gypsophila	94
Alyssum	79	Bouquet Wire	202	Collections (Flower Seed)	77, 80	Exhibit (Schedule of)	9	Gypsophila (Plants)	156
Alyssum (Plants)	136, 150	Bow Shears	189	Colonial Garden Seats	204	Exochorda	168	Hammers	192
Amaranthus	79	Boxwood	172, 168	Columbine (Aquilegia)	80	Extension Pipes	215	Handles	192
Amaryllis	116	Brachycome	85	Combination Tool	199	Farm Carts	179	Hand Plows	182
Ampelops	79	Branding Iron	179	Condensed List of Vegetables	32 to 35	Farmogerm	31, 220	Hand Rollers	185
Ampelops (Plants)	165	Briar Hooks	190	Conservatory Plants	132, 133	Farm Seeds	29, 71 to 74	Hand Sprayers	214 to 216
Anchusa	80	Briza (see Grasses)	93	Convolvulus	88	Feed Cookers	211	Hanging Baskets	204, 206, 223
Anchusa (Plants)	19, 150	Broccoli	37	Copperas	220	Feed Cutter	198	Happy Jack Windmills	179
Anemone	80	Bromus (see Grasses)	93	Copper Solution	218	Feeders	212, 213	Hardy Plants and Roots	150 to 163
Anemone (Plants)	150	Brood Coop	211	Copper Strainer	214	Feed Mills	212	Harrowes	180, 29
Anise	37	Brooder	210	Coreopsis (Callopsis)	85	Feed Pans	213	Hatchets	192
Ant Exterminator	218	Broom Corn	29, 71	Coreopsis (Plants)	152	Fencing	211	Hay Cutters	198
Anthemis	80	Brooms	191, 222	Coriander	44	Fennel	50	Hay Forks	192
Antipest	218	Browallia	85	Cork (for Orchids)	206	Fern Balls	133, 117	Hazelnuts	176
Antirrhinum	12, 79	Brushes	191, 222	Corn (Field)	29, 70	Fern Dish Liners	207	Heaters	200
Antirrhinum (Plants)	136	Brush Hook	190	Cornflower (Centaurea)	87	Fern Pans	207	Hedge Kluves	190
Ant's Eggs	209	Brussels Sprouts	37	Corn Knives	191	Ferns	133	Hedge Plants	172
Aphine	218	Brussels Sprouts (Plants)	69	Corn Planter	70, 184	Ferns (Hardy)	147	Hedge Shears	196
Aphis Punk	218	Bucket Pumps	214, 216	Corn (Rainbow)	13	Fern Spore	92	Hedge Trimmers	172, 196
Apple Trees	176	Buck Saws	189	Corn Salad	48	Fertilizer Distributors	184	Helenium	94
Aprons (Rubber)	194	Buckwheat	29, 71	Corn Sheller	196	Fertilizer Drills	182	Helenium (Plants)	156
Aquatics	131	Buddleya	1, 151, 168	Corn (Sweet)	11, 47, 46	Fertilizers	222, 220, 221	Hellanthemum (Plants)	156
Aquilegia	80	Bug Death	218	Cornus	178	Fetticus	48	Hellanthus (Plants)	156
Aquilegia (Plants)	150	Bulb Pans	207	Cosmos	14, 89	Feverfew	92	Hellanthus (Sunflower)	113
Arabis	80	Bull Rings	222	Cosmos (Plants)	136	Fibre Saucers	207	Hellchrysium	94
Arabis (Plants)	151	Butter Churns	222	Cotton	71	Fibre Vases	206	Heliopsis	94
Araucaria	132	Butter Coloring	222	Cotton Seed Meal	220	Ficus	132	Heliopsis (Plants)	156
Arbor Vitae	178	Butterfly Bush	1, 151, 168	Cow Ease	218	Field Corn	29, 70	Hellotrope	94
Arctotis	80	Butternuts	176	Cow Manure	220	Field Hoes	190	Hellotrope (Plants)	136
Areca	132	Butter Paper	222	Cow Peas	72	Field Mowers	185	Hellebore	218
Aristolochia	165	Button Bone	220	Cowsllp (Primula Veris)	106	Field Peas	72	Helleborus (Plants)	156
Armeria (Plants)	151	Buttonwood	178	Cress	47	Filberts	176	Hemerocallis	156
Arsenate of Lead	218	Cabbage	42, 43	Crimson Clover	30	Files	189	Hemp	209
Artemisia	80	Cabbage Plants	69	Crotons	132	Firs	178	Henney Outfit	211
Artemisia (Plants)	19, 151	Caladium	116	Cucumber	48	Fir Tree Oil Soap	218	Hens' Nests	212
Artichoke	37	Caladium (Fancy leaved)	117	Cultivator Parts	181	Fish Guano	220	Herbicide	217
Artichoke Plants	69	Caladium (Plants)	136	Cultivators	180, 181 to 183	Flax	71	Hesperis (Sweet Rocket)	113
" Roots	69	Calceolaria	85	Cultivator Teeth	181	Flower Bed Fencing	203	Heuchera	94
Arundo (see Grasses)	93	Calendar of Operations	6, 7	Cultural Leaflets	56	Flower Boxes	201	Heuchera (Plants)	156
Asclepias (Plants)	151	Calendula	85	Cuphea	89	Flower Pots	207	Hibiscus	14, 94
Ashes	220	Calf Weaners	222	Currents	171	Flower Scissors	189	Hibiscus (Plants)	156
Asparagus	12, 80	California Poppy (Eschscholtzla)	92	Cut Flower Boxes	201	Forget-Me-Not (Myosotis)	99	Hickory Nuts	176
Asparagus	69, 36	Callas	117	Cut Flower Gatherer	189	Forget-Me-Not (Plants)	137, 159	Hoes	181, 190, 209
Asparagus Bunchers	37, 191	Calliopsis	85	Cut Flowers (Plants for)	76	Forks	199, 192	Hollyhock	94
Asparagus Fertilizer	37, 220	Callirhoe (Plants)	151	Cuttle Fish Bone	209	Forsythia	169	Hollyhock (Plants)	157
Asparagus Knives	37, 191	Calycanthus	168	Cyanide of Potassium	218	Founts	213	Honesty	95
Asparagus (Plants)	132	Campanula	86	Cycas	117	Four o'Clock (Marvel of Peru)	97	Honeysuckle	166
Asparagus Roots	36, 69	Campanula (Plants)	152	Cyclamen	13, 89	Foxglove (Digtalls)	91	Hoppers	212
Asparagus Salt	221, 37	Canada Field Peas	29, 72	Cyperus	89	Foxglove (Plants)	154	Hop Vine	166
Asparagus Tape	37	Canary	43	Cyperus (Plants)	131	Freesla	92	Hop Vine Plants	69, 50, 166
Asperula	80	Canary	209	Cypress	178	Fruit Pickers	200	Hordeum (see Grasses)	93
Aster (Hardy Plants)	151	Canary Bird Flower	86	Cypress Vine	89	Fruit Trees	176, 177	Horhound	50
Aster (Seed)	12, 13, 81, 82, 83	Candytuft	86	Cypripedium	133	Fuchsia	192	Horn Shavings	220
Asters (Plants)	136	Candytuft (Pants)	157	Cytisul	168	Fuchsia (Plants)	136	Horse Hoofs	188
Aubrietia	151	Cane Stakes	202	Dahlia	1, 120 to 128	Funglators	216	Horse Chestnuts	178
Auricula	84	Canna (Seed)	86	Dahlia (Seed)	90	Funglne	218	Horse Cultivators	181
Automobile Heaters	200	Cannas	118, 119	Dahlia Stakes	202	Funkla (Plants)	154	Horse Mowers	186
Auto-Spray	214	Cantaloupes	11, 54	Dairy Supplies	222	Galliardia	92	Horse Muzzles	186
Avena (see Grasses)	93	Canterbury Bell	86	Daisies (Plants)	136, 152	Galliardia (Plants)	155	Horse Radish Roots	50, 69
Azea	192	Carbolineum	218, 209	Daisy	90	Galega (Plants)	154	Horse Rollers	185
Azalea	168	Cardinal Climber	13	Dalmatian Powder	218	Gape Cure	209	Horse Weeders	179
Azalea Pots	207	Carnation	87	Dandelion	49	Gape Worm Extractor	213	Hose Bands	195
Baby's Breath (Gypsophila)	94	Carnation Bands	201	Dandelion Extractors	199	Garden Cress	47	Hose Couplings	195
Bachelor's Button (Centaurea)	87	Carnation (Plants)	21, 134	Datura	90	Garden Line	191	Hose Menders	195
" (Gomphrena)	93	Carnation Staples	201	Death to Lice	218	Gardenia	132	Hose Nozzles	195
Balloon Vine	84	Carnation Supports	203	Delphinium	90	Garden Reels	191	Hose Protectors	194
Balm	37	Carpenter Sawa	189	Delphinium (Plants)	19, 155	Garden Seats	204	Hose Reducers	195
Balsam	84	Carrots	29, 44, 73	Deutzla	169	Garden Sets	192	Hose Reels	194
Balsam Apple	84	Carta	188, 179	Dianthus	91	Gas Plant (Dietamnus)	91	Hose (Rubber)	194
Bamboo Shades	205	Cassia	152	Dianthus (Plants)	152	Gentiana	92	Hotbed Mats	201
Banana (Plants)	137	Castor Bean (Ricinus)	107	Dibblea	199	Gentiana (Plants)	155	Hotbed Sash	201
Bapillia	84	Catalpa	178	Dictamnus	91	Geranium	92	Hovert	210
Barberry	168	Catnip	43	Dictamnus (Plants)	154	Geranium (Plants)	20, 137, 155	Humulus	95
Barley	29, 71	Cattlelya	133	Dielytia	154	Gerbera	93	Humus	222
Barrela	185	Cauliflower	43	Digging Forks	192	Germathol	209	Hunnemannia	93
Barrel Truck	185	Cauliflower Plants	69	Digtalls	91	Germozone	209	Husking Pins	191
Bartonia	84	Celastria	165	Digtalls (Plants)	154	Getz-there Soap	218	Hyacinth Bean (Dolicho)	91
Baskets	49, 206	Celeriac	45	Dill	48	Geum	93	Hyacinth Stakes	202
Bean Poles	40	Celery	45	Dimorphotheca	11, 91	Geum (Planta)	155	Hyacinthus	117
Bean (Runner)	84	Celery Hiller	181	Disinfectants	209	Gladlolus	126 to 129	Hydrangea	163, 146, 137
Beans	10, 38 to 40	Celery Hoes	190	Disparene	218	Glass Clamps	194	Hydrangea (Climbing)	167
Bedding Plants	136, 137	Celery Paper	201	Dog Medicines	209	Glass Cleaner	201	Hydrant Attachment	195
Beets	73, 41	Celery Plants	69	Dog Soap	209	Glass Cutters	201	Hydro-Cyanic Gas	218
Begonia	84	Celosia	14, 87	Dogwood	178	Glaing Points	198	Hydrometer	218
Begonia Plants	116, 132, 136	Cemetery Hooks	206	Dolichoa	91	Glovea Amaranth (Gomphrena)	197	Hypericum (Plants)	157
Bellflower (Campanula)	86	Centaurea	206	Doronicum (Plants)	154	Gloxiola (Seeds)	93	Iberis (Candytuft)	96
" (Platycodon)	104	Centaurea (Plants)	152	Dowels	202	Gloxinia	93	Iberis (Plants)	157
Bells (Daisy)	90	Centrosema	88	Dracena	91	Gmoxinia (Seeds)	93	Ice Plant (Mesembryanthemum)	94
Bells (Plants)	136, 152			Dracaena (Plants)	132, 136			Impatiens	95
Bellwla	216							Incarvillea	95
Berberis	168								

	Page		Page		Page		Page
Incarvillea (Plants)	157	Melon Nets	54	Phlox	15, 104	Salt Bricks	222
Incubators	210	Melons	54, 55	Phlox Drummondii (Plants)	137	Salvia	107
Insecticides	218, 219	Mesembryanthemum	98	Phlox (Perennial) (Plants)	159, 20, 138	Salvia (Plants)	20, 137, 160
Ipomoea	95	Mexican Vines	167	Phoenix	132	Sambucus	171
Ipomoea (Plants)	166	Mignonette	98	Physostegia	103	Sand	201
Iris (Seed)	95	Mignonette (Plants)	137	Physostegia (Plants)	160	Sanvitalia	107
Iris	19, 153	Milking Pail	222	Picea	178	Sash	201
Iron Age Tools	181 to 133	Mimosa (Sensitive Plant)	108	Picks	196	Saucers	207
Iron Guards	204	Mimulus	99	Pigeon Bath	213	Saw Horse	189
Ismene	117	Mina Lobata	99	Pines	178	Saws	197, 189
Ivy	165	Miniature Hotbeds	205	Pinks (Carnation)	37	Scabiosa	108
Japanese Hop (Humulus)	95	Mint	51	" (Dianthus)	91	Scabiosa (Plants)	161
Japanese Ivy (Ampelopsis)	79	Mint (Plants)	69	Pinks (Plants)	159	Scalecide	219
Job's Tears (Coix)	93	Mixed Seeds for Wild Flower Garden	115	Pittsburgh Fencing	211	Scale Destroyer	219
Judas Tree	178	Mole Traps	191	Plane Trees	178	Scarlet Runner Bean	84
Kaffir Corn	29, 73	Monarda	99	Plant, Jr., Tools	181 to 133	Scarlet Sage (Salvia)	107
Kainit	220	Monarda (Plants)	159	Plant Food	221	Schizanthus	16, 108
Kalaka	220	Monkey Wrenches	196	Plant Sprinklers	205	Schizophragma	167
Kale	50	Montbretia	117, 159	Plant Stakes	202	Scissors	189
Kalmia	169	Moon Flower (Ipomoea)	95	Plant Stands	205	Scoops	192, 196
"Keep off the Grass" Signs	204	Moon Vines	166	Plant Tubs	207	Screw Drivers	196
Kenilworth Ivy	95	Mourning Bride (Scabiosa)	108	Platanus	178	Scuffle Hoes	190
Kentia	132	Morning Glory (Convolvulus)	88	Platycodon	104	Scythes	189
Kerosene Emulsion	218	Moss	201	Platycodon (Plants)	160	Scythe Stones	189
Kerria	169	Mouse Traps	191	Pliers	195, 191	Sedum (Plants)	160
Killing Knives	213	Mowers	186, 187	Plows	184, 182, 183	Seed Drills	182
Kil-O-Scale	218	Muriate of Potash	221	Plumbago (Plants)	160	Seeders	29, 182, 183, 188
Knives	190	Musa Ensete	99	Plums	177	Seed Pans	207
Kochia	95	Musa (Plants)	137	Poles for Torches	216	Seed Sowers	29, 184
Kohl Rabi	51	Mushroom Spawn	56	Poles for Tree Pruners	197	Sensitive Plant	108
Kudzu Vine (Plants)	166	Mushroom Thermometers	56	Polyanthus	104	Settees	204
Kudzu Vine (Pueraria)	106	Musk Melon	11, 54	Poplars	178	Shaded Places (Plants suitable)	76
Labels	205	Musk Plant (Mimulus)	99	Poppy	105	Shaderine	201
Ladders	190	Mustard	51	Poppy (Plants)	160	Shade Trees	178
Lady's Slipper (Balsam)	84	Muzzles	186	Populus	178	Shading Cloth	205
Land Plaster	220	Myosotis	99	Porch Boxes	204, 223	Shakers	216
Lantana	95	Myosotis (Plants)	137, 159	Portulaca	105	Shallots	64
Lantana (Plants)	137	Myriophyllum	131	Posthole Diggers	196	Shamrock	108
Larkspur (Annual)	96	Myrtle (Plants)	137	Potatoes	60	Shasta Daisy (Plants)	161
Larkspur (Hardy)	90	Nails	201	Potato Manure	221	Shasta Daisy (see Chrysanthemum)	88
Larkspur (Plants)	155	Nasturtium	100, 101	Pot Scoops	192	Shears	189, 196, 197
Latania	132	Nasturtium (Plants)	137	Pot Brackets	206	Sheep Droppings	221
Lathyrus	96	Nasturtium	131	Pot Hangers	206	Sheep Manure	221
Lathyrus (Plants)	20, 166	Nelumbium	101	Pot Labels	205	Shipping Boxes	210
Lavatera	96	Nemophila	133	Pot Marigold (Calendula)	62, 85	Shipping Coops	210
Lavender	96, 51	Nephrolepis	133	Pots	207	Shipping Crate	210, 211
Lavender (Plants)	69	Nest Eggs	213	Poudre	221	Shoo-Fly	219
Lawn Boots	188	Netting	211	Poultry Duster	211	Shovels	192
Lawn Border Shears	189	Nico-fume Liquid	219	Poultry Food	208	Shrubs	168 to 171
Lawn Cleaner	188	Nico-fume Paper	219	Poultry Netting	211	Sickles	189
Lawn Dressing	221	Nicotide	218	Poultry Remedies	209	Sieves	200
Lawn Edger	193	Nicotiana	99	Poultry Supplies	208 to 213	Silene	108
Lawn Grass Mixtures	23 to 26	Nierembergia	101	Powder Guns	216	Silicalene	202
Lawn Mower Oil	189	Nigella	99	Primula	16, 106	Slagshot	219
Lawn Mowers	136, 187	Nikoteen	219	Primula (Plants)	160	Smilax	108
Lawn Mower Sharpening	186	Nitrate of Soda	221	Privet	172	Snapdragon (Antirrhinum)	12, 79
Lawn Rakes	193	Nitro-Germ	221	Protecting Cloth	205	Snapdragon (Plants)	136
Lawn Rollers	185	Noxicide	209	Pruners	196, 197	Snow Shovels	192
Lawn Sand	220	Nozzle Holders	194	Pruning Gloves	197	Sod Crushers	200
Lawn Seeders	188	Nozzles	215, 195	Pruning Saws	197	Sod Cutter	188
Lawn Shovel	193	Nut Trees	175	Pruning Shears	197	Soil	201
Lawn Sprinklers	194	Nymphaea	131	Pueraria	106	Soil Pulverizer	200
Lawn Sweeper	188	Oats	29, 72	Pueraria (Plants)	166	Soja Beans	29, 71
Lawn Trimmers	187	Oculum	209	Pumpkin	62	Solanum	108
Leaf Mould	201	Oenothera	15, 101	Pumps	214 to 216	Solidago (Golden Rod)	93
Leaf Racks	185	Oenothera (Plants)	159	Putting Greens Roller	185	Song Restorer	209
Leek	51	Oil Cans	189	Putty	198	Soot	221
Legal Weight of Farm Seeds	8	Oil (for Mowers)	189	Putty Bulbs	198	Sorghum	73
Leg Bands	213	Oil of Tar	209	Pyrethrum	106	Spades	192
Lemon Oil Insecticide	218	Okra	56	Pyrethrum (Plants)	160	Spading Forks	192
Lemon Verbena (Plants)	137	Onion Hoes	190	Pyrox	219	Speltz	29, 74
Lettuce	52, 53	Onions	57	Radish	63	Spinach	66
Lettuce Plants	69, 53	Onion Sets	57	Raffia	37, 202	Spiraea (Plants)	161, 170
Liatis	96	Orchid Baskets	206	Raffia Tape	37, 202	Sprayers	214 to 216
Liatis (Plants)	157	Orchid Pans	206	Rakes	193	Spray Nozzles	215
Lice Killer	209	Orchid Peat	206, 201	Rape	29, 209	Sprinklers	194, 205
Lilacs	170	Orchids	133	Raspberries	173, 174	Sprinkling Cart	188
Lilies	130	Ornamental Trees	178	Raspberries	174	Spruce	178
Lily of the Valley (Seed)	96	Oxalis	117	Rat Corn	209, 219	Squash	65
Lily of the Valley	117, 157	Pachysandra	159	Rat Traps	191	Stable Forks	192
Lime	221	Paenonies	148, 149	Readeana	219, 217	Stachys	161
Lime Stone	221	Paenon (Seed)	101	Red Clover	30	Stake Fasteners	202
Lime Sulphur	218	Paenon Supports	203	Reseda (Mignonette)	98	Stakes	202
Limnanthemum	131	Palms	132	Rhododendron	170	Static	108
Limncharis	131	Pancratium	117	Rhubarb Roots	64, 69	Static (Plants)	161
Llnaria (Kenilworth Ivy)	95	Pandanus	133	Ricinus	107	Stevia	108
Linden	178	Pansies (Plants)	137	Ricinus (Plants)	137	Stipa (see Grasses)	93
Linum	96	Pansy	102	Road Scoops	196	Stocks	109
Lobelia	14, 97	Paper	201	Robinia	171	Stocks (Plants)	137
Lobelia (Plants)	137, 157	Paper Pots	207	Rock Gardens (Plants for)	76	Stokesia	108
Loelio-Cattleya	133	Paris Daisy (Chrysanthemum)	88	Rollers	185	Stokesia (Plants)	161
Lophospermum	97	Paris Green	219	Rolling Stands	207	Stoves	200
Lopping Shears	197	Parrot Food	209	Roofing Paper	201	Strawberries	175
Love-In-a-Mist (Nigella)	99	Parsley	61	Root Cutters	198	Strawberry Boxes	206
Lupinus	97	Parsley (Plants)	69	Rosa Rugosa	172	Straw Flower (Helichrysum)	94
Lupinus (Plants)	157	Parsnips	62	Rose Bug Exterminator	217	Straw Mats	201
Lychnis	97	Passiflora	101	Rosemary	64, 69	Sugar Cane	73
Lychnis (Plants)	159	Passiflora (Plants)	167	Rose of Sharon	172	Sulphate of Ammonia	221
Lythrum	97	Passion Vine (Plants)	167	Roses	172, 23, 135, 139 to 145	Sulphate of Copper	219
Lythrum (Plants)	159	Peaches	177	Rose Stakes	202	Sulphate of Potash	221
Madeira Vines	166	Peanuts	62	Roup Cure	209	Sulphocide	219
Mak-Gro	221	Pears	177	Rudbeckia	107	Sulpho-Tobacco Soap	219
Mangelwurzel	41, 73	Peas	10, 58, 59	Rubber Aprons	194	Sulphur	219
Mango	54	Peat	201	Rubber Hose	194	Sulphur Blowers	216
Manure Distributors	191	Pea Trellis	203	Rubber Plants	132	Sulphur Candles	209, 219
Manure Drags	192	Pebbles	201	Rubber Sprinklers	204	Sulphuric Acid	218
Manure Forks	192	Pecan Nuts	176	Rubbish Consumers	196	Summer Savory	53
Manures	220, 221	Pelargonium (Geranium)	92	Rudbeckia (Plants)	161	Summer Savory (Plants)	69
Mapes' Fertilizers	221	Pennisetum (see Grasses)	93	Rustic Bark	204	Sun Dial	204
Maples	178	Pentstemon	15, 16, 103	Rustic Furniture	204	Sunflower	16, 29, 113, 74, 209
Marathon Grinders	198	Pentstemon (Plants)	159	Ruta Baga	64, 68	Sweet Alyssum	79
Marathon Tool Bracket	186	Peony Supports	203	Rye	29, 73	Sweet Marjoram (Plants)	69
Marigold	98	Pepper	61	Sack Truck	196	Sweet Potato Plants	69
Marking Rakes	193	Pepper (Plants)	69	Saffron	64	Sweet Peas	17, 110, 111, 112
Martynia	51	Perilla	103	Sage	64	" Rocket	113
Marvel of Peru	97	Periwinkle (Vinca)	162, 114	Sage Plants	69	" Sultan	113
Mastic	198	Peruvian Guano	221	Sago Palms	117	" William	113
Mastic Machine	198	Petunia	15, 103	Saintpaulia	107	Sweet William (Plants)	162
Matthiola	98	Petunia (Plants)	137	Salix	178	Swiss Chard	41, 65
Matricaria (Feverfew)	92	Philadelphus	169	Salpiglossis	107	Symphoricarpus	171
Mattocks	196	Phosphate	221	Salsify	64	Syringa	170
Maurandia	97			Salt	221	Syringes	215
Measures	206					Tagetes	113
Mehler's Tools	193, 199, 179					Tankage	221
						Tar Paper	201
						Tarragon (Plants)	69, 53, 68
						Tennis Court Marker	186
						Teosinte	29, 74
						Thalictrum (Plants)	161
						Thermometers	56, 200
						Thermopsis (Plants)	161
						Thermostat	200
						Thompson's Manure	221
						Thunbergia	113
						Thuya	178
						Thyme	68
						Thyme (Plants)	69
						Thymo-Cresol	209, 219
						Tilia	178
						Timothy	28
						Tinfoil	201
						Tobacco	68
						Tobacco Dust	209, 219
						Tobacco Soap	219
						Tobacco Stems	221, 219
						To-bak-lne	219
						Tomatoes	66, 67, 10
						Tomatoes (Plants)	69
						Tomato Supports	203, 67
						Tool Brackets	186
						Tool Grinders	193
						Toothpicks	201
						Torches	216
						Torenia	113
						Trap Nests	212
						Tree Labels	205
						Tree Pruners	197, 196
						Tree Scraper	191
						Tree Tanglefoot	219, 223
						Trellis	203, 167
						Trillium	162
						Tritoma	113
						Tritoma (Plants)	162
						Trollius	161
						Tropaeolum (Nasturtium)	100, 101
						Trowels	199
						Trucks	196, 185
						Trumpet Vine	165
						Tuberose	117
						Tubs	207
						Turf Irons	192
						Turnip	68
						Twines	202, 37
						Valeriana	114
						Valeriana (Plants)	162
						Vaporite	219





MICHELL'S SEED GARDENS Salesrooms 518 Market St. Phila. CATALOG FREE

MICHELL'S EVERGREEN SEED GARDENS, TORRESDALE, (ANDALUSIA STATION) PA.

Annual Inspection Day, August 27th, 1913, when our grounds were visited by over 800 private gardeners and florists. The picture shows a small section of frames and hotbeds. Our equipment here besides a valuable tract of highly cultivated land, consists of over 1000 hotbeds and frames, 10 modern greenhouses, packing sheds, superintendent's residence, office, etc. The latter are not shown on the Photo here. It is located at a point of easy access, along the Pennsylvania R. R. (N. Y. Division) just above Torresdale, Pa. It also can be reached by trolley via Frankford, Philadelphia. At this place we annually produce and dispose of hundreds of thousands of vegetable plants, hardy perennials in hundreds of varieties, pot grown roses, cannas, etc., etc. Here also is our seed testing carried on. In summer many interesting displays of flowers may be seen and visitors are welcome every day but the Sabbath.

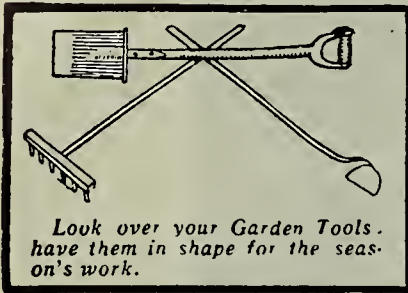
6 MICHELL'S CALENDAR OF MONTHLY OPERATIONS FOR FARM AND GARDEN

A few years ago we devoted some space in our Annual Catalogue to a calendar of operations, suggested for farm and garden work. It was our opinion that it was not appreciated. Since then, however, the requests have been so numerous as to why we abolished it, we have felt that it must have been of some value, else our customers would not have inquired for it. For each month of the year some timely, practical hints are given, and it is our wish that they may be of benefit to some people.

Valuable information for the Practical and Amateur Gardener and Farmer, which helps to remember when the different garden and farm operations should be performed.

Our suggestions apply to the latitude of Philadelphia. They must be varied according to the location; earlier, if in the South, later, if in the North.

JANUARY



Look over your Garden Tools. have them in shape for the season's work.

Vegetable Garden. Little can be done except preparing manure and getting tools, etc., in good working order.

Flower Garden. If not already done a topdressing of well-rotted manure will be of great benefit for all hardy plants. The lawn should receive a dressing of Sheep Manure (at the rate of 1000 lbs. per acre), which will insure a fine lawn during summer.

Orchard and Farm. Protect your Fruit Trees from the ravages of scale and other insects by spraying with Lime-Sulphur or other good scale destroyers. Prune Trees, Bushes, Grape Vines, if weather is suitable.

FEBRUARY



Apply a top dressing of our lawn fertilizer to your grass.

Vegetable Garden. Prepare hotbeds and sow early Cabbage, Lettuce, Radishes, Beets, Cauliflower and Onion. Now is the best time to topdress Asparagus Beds with manure; also give an application of Salt. Examine your tools and get them in shape for the season's work. If not already done, make out your order for seeds, etc., so you have them on hand at the proper time.

Flower Garden. Flowers, such as Pansy, Snapdragon, Carnations, Verbena, etc., etc., may be started in hotbeds or in the house, to be transplanted later.

Orchard and Farm. The instructions given for January apply for this month also. Commence hauling manure on land to be plowed and do repairing to fences, etc.

MARCH



If you raise chickens set your incubator now.

Vegetable Garden. Hotbeds must be finished now, and Tomatoes, Egg Plants, Peppers, etc., be sown for later transplanting. As soon as the soil is in good working order, sow late, Early Peas, Kale, Beets, Spinach, Carrots, Radish and Parsley. Set out Asparagus, Horse Radish Roots, Rhubarb and Onion Sets. Early plantings of Potatoes can be made.

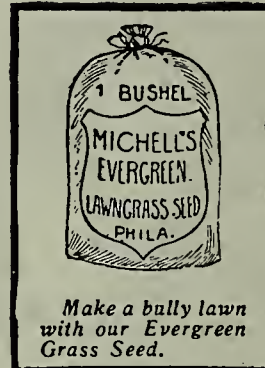
Flower Garden. Pruning of Shrubs and Vines should be finished as soon as possible. The Bulb beds should be gradually uncovered, lawns raked off and topdressed, if not already done, with Bone Meal or similar fertilizer. Toward the end of the month, if the soil is dry

enough, new lawns may be made and old lawns renovated. Best results are obtained by sowing Michell's Evergreen Lawn Grass Seed. Do not forget to sow some of our choice Sweet Peas. Hardy Flower Seeds should be started now, either in the hotbed or in boxes in the house.

Orchard and Farm. Finish whatever spraying or pruning there may be. Begin plowing and preparing the land for seeding. Late in the month Canada Peas, Oats and Essex Rape for early green food can be sown.

NOTE.—If you've any special problems on gardening or farming, write or call upon us, we will be glad to advise you—free, of course.

APRIL



Make a bully lawn with our Evergreen Grass Seed.

Vegetable Garden. In this month most all kinds of seeds can be sown. Sow outdoors various garden seeds for succession, Beans, Beets, Brussels Sprouts, Carrots, Early Cauliflower, Cabbage, Celery, Kohl Rabi, Lettuce, Cress, Onion, Parsley, Parsnip, Radishes, Spinach, Peas. Continue to plant Potatoes, Asparagus, Rhubarb, Horse Radish Roots and Onion Sets, etc. Cauliflower, Cabbage and Lettuce Plants from hotbeds should be set out now, after they have been hardened by leaving the sash off. Sow in hotbed Cucumber, Egg Plant, Melon, Pepper and Tomatoes.

Flower Garden. This is a busy month for the lover of Flowers. All Bulb Beds and such plants that have been covered during the winter must now be uncovered. Pansies, Daisies, Forget-Me-Nots, Hardy Primroses, etc., should be planted out now. Sow all hardy varieties of Flower Seeds, as they will flower earlier. This is the ideal month for renovating and starting new lawns. Our booklet on Lawns gives full information about sowing and taking care of grass. It is free on application. Call or send for it. Attention paid to the Rose Garden now will be amply repaid by abundance of flowers later on. Feed your roses with Bone Meal or Sheep Manure and as soon as growth commences spray once a week with Pyrox, Bordeaux Mixture or Readeana. The latter is the only remedy against the Rose Bug.

Orchard and Farm. This is the best month for planting Fruit Trees, as well as small fruit, like Raspberries, Blackberries, Currants, Gooseberries, Grapes, etc. Sow now Canada Peas, Oats, Rape, Clovers, Grasses, Spring Rye, etc.

MAY



Bag all grapes to keep them from insect stings.

Vegetable Garden. If the ground is in good condition, such tender vegetables as Cucumbers, Squash, Corn, Melons, Okra and Lima Beans, etc., may be planted, as well as all hardier vegetables, especially Artichoke, Beans, Beets, Brussels Sprouts, Carrots, Cauliflower, Celery, Kohl Rabi, Leek, Lettuce, Onion, Parsley, Parsnip, Peas, Rad-

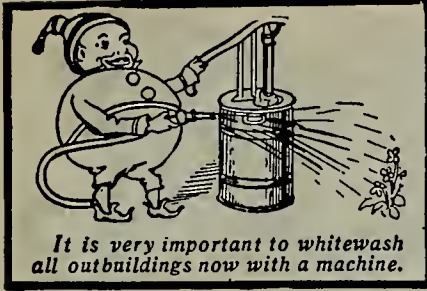
ishes, Salsify, Spinach, Early Turnips and all Herbs, etc. Finish planting Potatoes, Asparagus and Rhubarb. About the middle of the month it is quite safe to put out plants of Tomatoes, Egg Plants and Peppers.

Flower Garden. Annuals that have been started in the house or hotbed may now be transplanted to the open. Practically all hardy and half-hardy Annuals can be sown in the open ground. Keep your flower beds well hoed or raked, to keep the weeds down, which will mean an immense saving of labor later in the season. About the middle of the month set out Dahlias, Gladiolus and Canna. Still a good time to sow Grass Seed. Bag your Grapes with Michell's Improved Grape Bags.

Orchard and Farm. Most of the small fruit may yet be planted early in the month. Protect your Fruit Trees from the attacks of caterpillars, cut worms and other creeping insects by applying Tree-Tanglefoot (see page 219). Plant winter root crops, like Mangelwurzel, Carrots, etc., also Field Corn, Clover Seeds and Grasses may also still be sown, and do not forget Alfalfa, the most valuable forage crop on the American farm to-day. (Get our Special Circular on the same.) Millet and most other fodder plants, like Broom Corn, Sugar Cane, Cow Peas, etc., can also be sown.

MICHELL'S CALENDAR OF MONTHLY OPERATIONS FOR FARM AND GARDEN 7

JUNE



It is very important to whitewash all outbuildings now with a machine.

Vegetable Garden. Set out Tomatoes, Pepper, Egg Plants and Sweet Potatoes. All varieties recommended in May may be sown, especially those wanted for succession, as Corn, Beans, Cucumbers, Beets, Lettuce, Okra. This is the best month for planting Lima Beans, both Pole and Dwarf. Late Cabbage and Cauliflower should be sown to make plants for setting out for fall crop.

Look out for insects and commence dusting or spraying with a suitable insecticide. (See our full list of Insecticides, pages 218 and 219.)

Flower Garden. It is still time to sow Annuals, especially Nasturtium, Aster, Marigold, Zinnia, etc. Most of these bloom until frost and are splendid for cutting. The Hyacinth and Tulip Beds should be dug up now and filled with such plants as Geraniums, Coleus and other bedding plants. Finish planting of Canna, Dahlias and Gladiolus.

Orchard and Farm. Sow Mangelwurzel, Sugar Beets, Millets, Alfalfa, Cow Peas, Crimson Clover and Ruta-Baga.

JULY



Sow seeds of hardy flower seed now to bloom next year.

Vegetable Garden. Cabbage, Celery and Cauliflower Plants should be set out now. Sow Peas, Beans, Corn, Cucumbers, Lettuce, etc., for succession crops, also Ruta-Baga for winter crop. Autumn Radishes, Kale, Spinach, Turnip, etc., should be sown.

Flower Garden. Tall Plants, as Gladiolus, Roses, Dahlias, Cosmos, etc., should be supported by plant stakes, to prevent their being blown down or broken off by storms. Make out your list and order perennial flower seeds to sow next month.

Orchard and Farm. Sow Crimson Clover for soiling Millet, Alfalfa, Cow Peas, etc.,

AUGUST



August is a good month to plant Pot-grown Strawberry Plants

Vegetable Garden. All varieties of Turnips may be sown up to the end of the month. It is still time to sow Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach and Kale. Set out late Cabbage and Celery Plants for winter use. This is the best month to make new plantations of Strawberries. Pot-grown plants will produce a good crop next season.

Flower Garden. Sow perennial Flower Seeds now, which will insure their blooming next season.

Orchard and Farm. Harvesting and regular routine work fills up this month.

Sow Cow Peas, Buckwheat, Alfalfa, also Crimson Clover after the last working of the Corn.

SEPTEMBER



Our Dutch Bulbs of which we import millions, arrive in September.

Vegetable Garden. Cabbage and Cauliflower should be sown this month to raise plants for wintering over in coldframes. Early Turnips may still be sown, also Corn Salad, Cress, Lettuce, Mustard, Winter Radish and Spinach.

Flower Garden. Pansies, Daisies, Forget-Me-Nots, as well as all other hardy perennials, must be sown now. Liliun Candidum or Madonna Lily should be planted early this month. For winter flowering indoors plant Freesia, Oxalis, White Roman Hyacinths and Chinese Lilies. Our descriptive **Bulb Catalogue** is ready now and tells you all about planting, etc. If you did not receive one, send for it. It's free. This

SEPTEMBER—Continued

is also one of the best months to renovate the lawn and sow **Michell's Evergreen Grass Seed.**

Orchard and Farm. Sow Vetches, Crimson Clover, Alfalfa, Timothy and any hay or pasture grass seeds.

OCTOBER



Bulbs for Spring blooming out-doors should be planted now.

Vegetable Garden. Sow Spinach and Corn Salad outdoors. Make up the winter hotbeds and sow Radishes, Lettuce and Spinach for early winter use.

Flower Garden. All Fall Bulbs, as Hyacinths, Tulips, Narcissi, Crocus, Snowdrops, Squills, etc., etc., should be planted now. Still time to sow Grass Seeds, either for new lawns or for renovating old ones. Plants of Hardy Perennials and Shrubs should be set out now.

Orchard and Farm. Plant Fruit Bushes and Fruit Trees. Sow Timothy, Winter Wheat, Rye, Clover and Grass Seeds. Any idle land can be plowed now to bring insects to the surface.

NOVEMBER



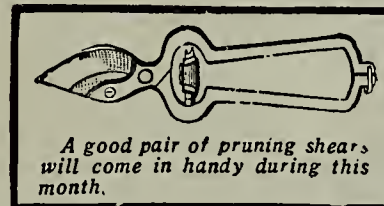
After all surplus wood has been trimmed away, spraying for scale should now commence.

Vegetable Garden. This is a busy month in the Kitchen Garden. All vegetables intended for winter use should be attended to before real winter weather sets in. Asparagus beds should have a liberal dressing of manure, and such vegetables as Onions, Cabbage, Spinach, etc., should be covered with two or three inches of leaves, salt hay or straw.

Flower Garden. Finish planting of all Bulbs for spring flowering. Topdress the lawn with Bone Meal, Wood Ashes or some other good fertilizer.

Orchard and Farm. Plant all kind of Fruit, Shade and Ornamental Trees and Bushes. Spray trees when the leaves have fallen, and later in the month some trimming may commence. Clean up and burn all rubbish that may have accumulated during the summer. Winter Rye may be sown as late as the 20th.

DECEMBER



A good pair of pruning shears will come in handy during this month.

Vegetable Garden. But little can be done this month, except making preparations for the following season. If possible, all empty ground should be dug or plowed this month, which will not only benefit the soil, but greatly facilitate work in the spring. Sow Tomato and Cucumber seed in

houses for a spring crop under glass. Mushroom Beds can be made up indoors to bear in March.

Flower Garden. If not already done, topdress your lawn with Bone Meal, Wood Ashes or other good fertilizer. Cover Hardy Perennials with litter, salt hay or straw.

Orchard and Farm. Spraying for San Jose Scale, trimming and pruning can be done now.

CULTURAL LEAFLETS

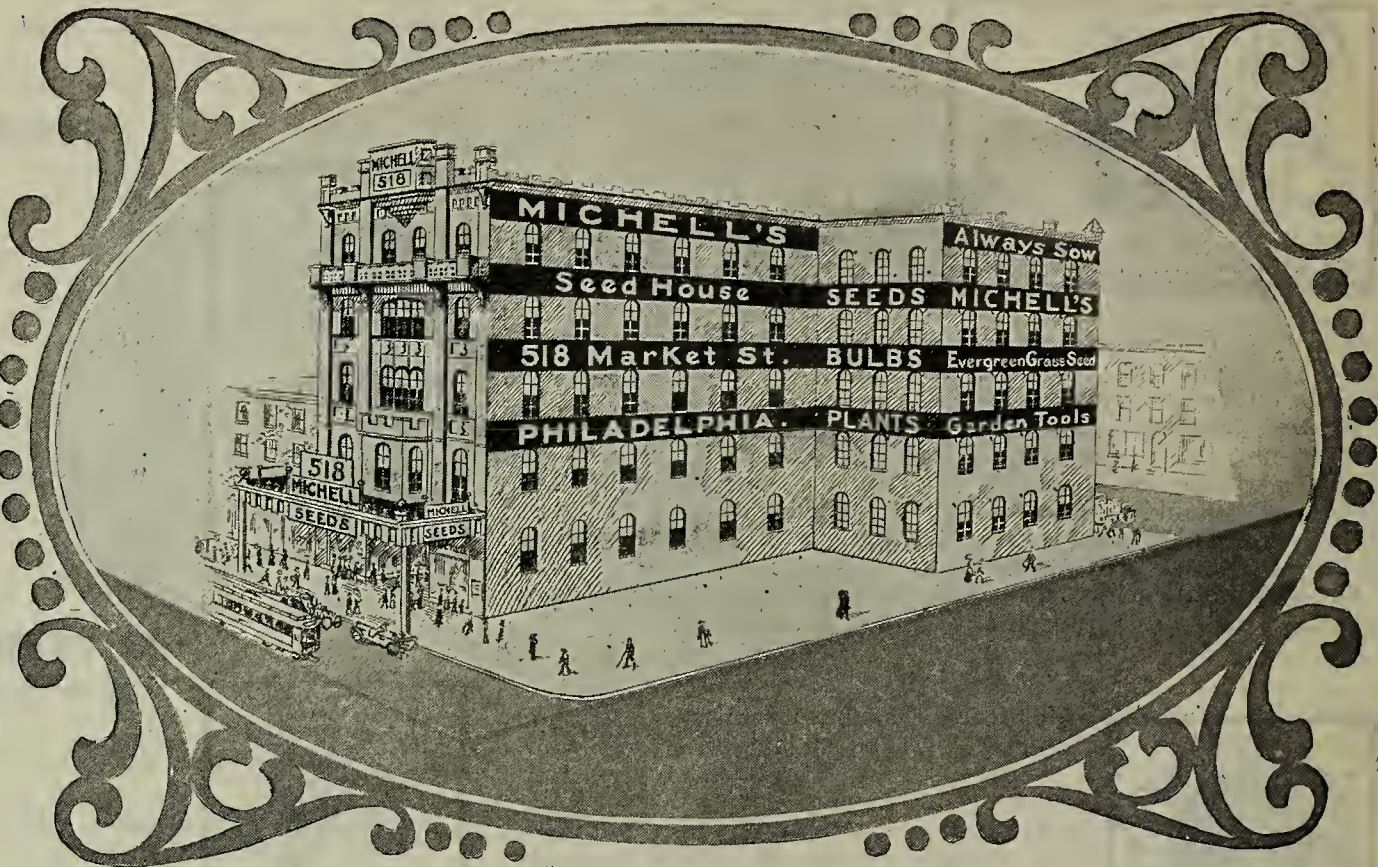
On page 56 we list a complete assortment of cultural leaflets on Vegetables. Since going to press with this book we have also compiled a complete list of cultural leaflets on Popular Flowers. A table of these will be mailed on request. A complete catalogue on Cannas, Dahlias and Gladiolus has recently been issued. We will cheerfully mail a copy if desired.



SPECIAL NOTICE—POSITIONS FOR GARDENERS, ETC. Our house makes it part of their business to procure positions for Gardeners, Superintendents, Poultrymen, Farmers and Florists on private and commercial places. Gentlemen wishing to engage the services of men in the above capacity are invited to communicate with us, as we generally have applications on file from desirable parties. Absolutely no obligation is connected with this service.

The House of Michell

occupies a conspicuous place among Philadelphia's industries. Its establishment is located on the main thoroughfare of Philadelphia (Market Street) easily accessible to both railroad depots and ferries. The building is equipped with every modern convenience to rapidly conduct its business. It has six floors, each 180 deep by 23 feet in the front and 47 feet width in the rear, being L shaped, and employs at most all times in the neighborhood of 125 people. A man with a farm garden or lawn can get most everything wanted here in an up-to-date variety.



Average Quantity of Grass Seeds to Sow per Acre and Legal Weight per Bushel

	Quantity per Acre	Legal Weight per Bus.
Awnless Brome (<i>Bromus inermis</i>).....	40 pounds.	14 lbs.
Blue Grass, Kentucky (<i>Poa pratensis</i>)....	3-5 bushels.	14 "
Blue Grass, Canada (<i>Poa compressa</i>)....	3-5 "	14 "
Creeping Bent (<i>Agrostis stolonifera</i>).....	3-4 "	20 "
Crested Dog's Tail (<i>Cynosurus cristatus</i>)..	3-4 "	21 "
English Rye Grass (<i>Lolium perenne</i>).....	3 "	24 "
Fine Leaved Fescue (<i>Festuca tenuifolia</i>)..	3 "	14 "
Herd (Red Top) Recleaned (<i>Agrostis vul-</i> <i>garis</i>)	25 pounds.	32 "
Herd (Red Top) Unhulled (<i>Agrostis vul-</i> <i>garis</i>)	4-5 bushels.	10 "
Hard Fescue (<i>Festuca duriuscula</i>).....	3 "	12 "
Italian Rye (<i>Lolium italicum</i>).....	3 "	18 "
Wood Meadow (<i>Poa nemoralis</i>).....	2½ "	14 "
Meadow Fescue (<i>Festuca pratensis</i>).....	2½ "	22 "
Orchard Grass (<i>Dactylis glomerata</i>).....	4 "	12 "
Red or Creeping Fescue (<i>Festuca rubra</i>)..	3 "	14 "
Rhode Island Bent (<i>Agrostis canina</i>).....	3 "	14 "
Sheep's Fescue (<i>Festuca ovina</i>).....	3 "	14 "
Sweet Vernal (Annual).....	5 pounds.	
Sweet Vernal (Perennial).....	5 pounds.	
Timothy (<i>Phleum pratense</i>).....	½ bushel.	45 "
Tall Meadow Oat (<i>Avena elatior</i>).....	5 "	10 "
Various Leaved Fescue (<i>Festuca hetero-</i> <i>phylla</i>)	40 pounds.	15 "

Average Quantity of Farm Seeds per Acre and Legal Weight per Bushel

	Quantity per Acre	Legal Weight per Bus.
Alfalfa or Lucerne.....	30 lbs.	60 lbs.
Alsike or Swedish Clover....	10 lbs.	60 "
Barley	1½ to 2 bushels.	48 "
Beans, Dwarf, in drills.....	1½ bushels.	60 "
Beans, Pole, in hills.....	12 to 15 qts.	60 "
Beets, Table, in drills.....	6 lbs.	
Bokhara Clover.....	15 lbs.	60 "
Broom Corn.....	10 lbs.	46 "
Buckwheat	48 lbs.	48 "
Cabbage, in beds, to transplant	½ lb.	
Canada Field Peas.....	1½ bushel with Oats.	60 "
Carrots, in drills.....	3 to 4 lbs.	
Corn, in hills.....	8-10 qts.	56 "
Corn for fodder (broadcast)..	3 bushels.	56 "

Average Quantity of Farm Seeds per Acre and Legal Weight per Bushel (Continued)

	Quantity per Acre	Legal Weight per Bus.
Cow Peas.....	2 bu. broadcast; 1 bu. in hills	60 lbs.
Crimson Clover.....	20 lbs.	60 "
Cucumber, in hills.....	2 lbs.	
Essex Rape.....	6 lbs.	50 "
Flax (broadcast).....	1½ bushels.	56 "
Hemp	1½ bushels.	44 "
Kaffir Corn.....	10 lbs.	56 "
Kale	5 lbs.	
Mangelwurzel	5 lbs.	
Melon, Musk, in hills.....	2 to 3 lbs.	
Melon, Water, in hills.....	4 to 5 lbs.	
Millet (Hungarian, German)..	1 bushel.	48 "
Millet (Japanese)	12 lbs.	30 "
Millet (Pearl)	12 lbs.	50 "
Oats	3 bushels.	32 "
Onion, in drills.....	6-8 lbs.	
Onion for Sets, in drills.....	50 to 60 lbs.	
Onion Sets, in drills.....	10 to 12 qts.	32 "
Parsnips, in drills.....	4 to 6 lbs.	
Peas, in drills.....	1½ to 2 bushels.	60 "
Peas, broadcast.....	3 bushels.	60 "
Potatoes	12 to 14 bushels.	56 "
Pumpkin, in hills.....	3 lbs.	
Radish, in drills.....	8 to 10 lbs.	
Rape	20 to 25 lbs.	50 "
Red Medium Clover.....	20 lbs. alone.	60 "
Red Mammoth Clover.....	20 lbs. alone.	
Rye, broadcast.....	1½ bushels.	56 "
Salsify, in drills.....	8 to 10 lbs.	
Speltz or Emmer.....	2 bushels.	
Spinach	12 to 14 lbs.	
Squash (Bush var.), in hills..	4 lbs.	
Squash (Running var.), in hills	3 lbs.	
Sugar Cane or Sorghum.....	25 lbs. in drills.	50 "
Sunflower	10 qts.	50 "
Teosinte	5 to 6 lbs.	
Tomato, to transplant.....	¼ lb.	
Turnip, in drills.....	2 lbs.	
Vetches	1 bushel.	60 "
Wheat	1½ to 2 bushels.	60 "
White Clover.....	10 to 12 lbs.	60 "

MICHELL'S (6th) ANNUAL EXHIBIT OF DAHLIAS AND VEGETABLES 9

September 24, 25, 26, 27, 1914

\$150.00 IN PRIZES

These occasions have proven quite an attraction to the public at large, as well as to our customers. At these times we usually have the finest collections in the various classes of both flowers and vegetables; a sight well worth seeing. This year we will make it interesting again by offering prizes to be competed for as noted below.

SPECIAL PRIZE. For the largest variety and display of vegetables other than noted, we will award the "Michell Silver Medal."

Rules governing the exhibition and entry blanks will accompany each order if asked for, or may be had from anyone at the store, or by mail.

\$93.00 in Prizes Are Offered For The Following DAHLIAS (Open to All)

\$15.00 NEW DAHLIA \$15.00
PRIZE "Pride of Andalusia" PRIZE

This beautiful variety is shown in color on the front cover of this book and in form on page 1, where we fully describe it. To popularize it amongst the private gardeners for the first year, we offer the following prizes, to be competed for at our annual Dahlia Show, on the above date: For the best vase of 12 blooms of this variety, \$7.50. For the second best vase of 12 blooms of this variety, \$5.00. For the third best vase of 12 blooms of this variety, \$2.50.

	Type	Number of Blooms to be Exhibited	1st Prize	2d Prize
Bertha Von Suttner.....	Pæony	12	\$1.50	\$1.00
Delice	Decorative	12	1.50	1.00
Geisha	Pæony	12	1.50	1.00
Germania	Pæony	12	1.50	1.00
Governor Wilson.....	Decorative	12	1.50	1.00
Jeannie Charmet.....	Decorative	12	1.50	1.00
Kaiserin Aug. Victoria.....	Decorative	12	1.50	1.00
Le Colosse.....	Decorative	12	1.50	1.00
Le Grand Manitou.....	Decorative	12	1.50	1.00
Mme. Henri Cayeux.....	Cactus	12	1.50	1.00
Mrs. Chas. Seybold.....	Decorative	12	1.50	1.00
Papa Charmet.....	Decorative	12	1.50	1.00
Phenomene	Cactus	12	1.50	1.00
Queen Wilhelmina.....	Pæony	12	1.50	1.00
Rene Cayeux.....	Cactus	12	1.50	1.00
Ruth Forbes.....	Cactus	12	1.50	1.00
Secretaire Fuld.....	Cactus	12	1.50	1.00
Souv. de Gust. Doozan.....	Decorative	12	1.50	1.00
Success	Cactus	12	1.50	1.00
W. W. Rawson.....	Show	12	1.50	1.00
Yellow Colosse.....	Decorative	12	1.50	1.00

For complete list of Dahlias, including the above varieties, see pages 120 to 125, inclusive.

SPECIAL PRIZES. For the largest collection of Dahlias we will award the "Michell Silver Medal." For the best vase of Mixed Dahlias, not less than 20 varieties: 1st prize, \$3.00; 2d prize, \$2.00.

PRIZES FOR VEGETABLES

CLASS 1 to 18 Open to Private Gardeners Only

Class No.	Quantity to be Exhibited	1st Prize	2nd Prize
1 Improved Strain Golden Wax Beans.	50 pods	\$2.00	\$1.00
2 "Evergreen" Pole Lima Beans.....	25 "	2.00	1.00
3 Beet, Improved Crimson Globe.....	6 beets	2.00	1.00
4 " Swiss Chard Lucullus.....	6 specimens	2.00	1.00
5 Cabbage, Danish Ball Head.....	3 heads	2.00	1.00
6 Carrot, Danver's.....	6 roots	2.00	1.00
7 Corn, Stowell's Evergreen.....	6 ears	2.00	1.00
8 Egg Plant, Black Beauty.....	2 specimens	2.00	1.00
9 Muskmelon, "Golden West".....	2 "	2.00	1.00
10 Okra, Perkin's.....	12 "	2.00	1.00
11 Onion, Ailsa Craig.....	6 "	2.00	1.00
12 Pepper, Chinese Giant.....	6 "	2.00	1.00
13 Potato, "Beats Them All".....	12 "	2.00	1.00
14 Radish, 6 vars., 12 to a bunch.....		2.00	1.00
15 Squash, 3 vars., 1 specimen each.....		2.00	1.00
16 Tomato, best collection.....		2.00	1.00
17 Collection of 20 Varieties of Vegetables		5.00	2.50
18 For the largest collection of Pumpkins		3.00	2.00

CLASS 19 to 26 Open to All

Class No.	Quantity to be Exhibited	1st Prize	2nd Prize
19 Stringless G. P. Beans, Improved Strain	50 pods	2.00	1.00
20 Evergreen Pole Beans.....	25 "	2.00	1.00
21 Beet, Swiss Chard Lucullus.....	6 specimens	2.00	1.00
22 Corn, Country Gentleman.....	6 ears	2.00	1.00
23 Kohl Rabi, White Vienna.....	6 specimens	2.00	1.00
24 Muskmelon, Golden West.....	2 "	2.00	1.00
25 Onion, best collection.....	6 "	2.00	1.00
26 Radish, 6 varieties.....each	12 "	2.00	1.00

Persons competing in the Private Gardener Classes cannot compete in the "open to all class."

For a complete list of Vegetable Seeds see pages 32 to 67.



Dahlia—Jack Rose

(hc)

MICHELL'S EVERGREEN POLE LIMA BEANS

(See Illustration)

A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 35c. per pt.; qt., 60c.; \$2.00 per 4 qts.; pk., \$3.75.

"SURE CROP"
STRINGLESS WAX BEANS

A variety which seems to always produce a good yield, regardless of conditions. The pods are long, slender and very brittle and we would consider it among the best, if not the best Wax Bean on the market to-day. The pods are rich golden yellow, produced in abundance, are practically rust-proof. The seed may be planted very early, earlier than most other Wax Beans. The originator, a man who has produced more good varieties of beans than any other, in late years has been improving this strain, until he thinks it good enough now for any one to plant. The crop is rather limited, so that early ordering is advisable. Per pkt., 10c.; 30c. per pt.; per qt., 50c.; \$1.75 per 4 qts.; per peck, \$3.25.



*Michell's Evergreen Pole Lima—
the vines are loaded like this*

**THE HARVESTER PEA**

As an introduction of probably the pioneer pea grower of the United States, this variety should meet with great demand. We tested it out at our trial grounds last year, and although the season was unfavorable, it did remarkably well, yielding a heavy crop of large pods, filled with luscious peas. In quantity of production it compares favorably with the extra early kinds and rivals such sorts as Gradus and Laxton for flavor and eating qualities. It grows about 18 inches high, and follows the extra early varieties. Per packet, 10c.; 35c. per pint (postpaid, 43c.); 60c. per quart (postpaid, 75c.); \$2.20 for 4 quarts; per peck, \$4.00.

MICHELL'S EXTRA EARLY
"CRACKER JACK" TOMATO

For several seasons our customers have been getting splendid satisfaction from this variety. It is one of the earliest Tomatoes grown and a continuous bearer until frost, the latter being one of its chief characteristics, most early tomatoes having finished by the middle of September. The fruit is medium sized, brilliant red, very smooth and solid, with remarkably few seeds. Grows principally in clusters of from 5 to 10 tomatoes, which are invariably uniform in shape. Per pkt., 20c.; 50c. per 3 pkts.; per ½ oz., 60c.; \$1.00 per oz.



Michell's Cracker Jack Tomato



SPECIALTIES FOR 1914

SUGAR CORN "EARLY GIANT WONDER" (See cut)

Introduced by us several years ago with great success; it is a true sugar corn, combining the earliness of the hybrid kinds with the sweetness of the later varieties. The ears are large, well shaped and the kernels in rather even rows, so that it may readily be eaten from the cob. It is lusciously sweet and a variety that will recommend itself instantly to anyone who likes a delicious sugar corn. The demand for this is usually large, so that we are often not able to supply, and for this reason we recommend early ordering. Packet 10c., 25c. per pint, per quart 50c., \$1.75 per 4 qts., per peck \$3.25.

NEW MUSK MELON OR CANTALOUPE "GOLDEN WEST" (See cut)

In 1912 we gave papers of this seed gratis with orders, and offered a prize of \$5.00 for the best name to be submitted by September 10, 1912. From the many names suggested we picked the above, for the reason that it seemed to fit conditions best, viz: The variety has a golden yellow interior and originated in California. The fruit, which is early, is larger than the average Cantaloupe (Weighing from 3 to 10 lbs.). The meat is brilliant golden yellow, which ripens almost to the rind. It is juicy, unusually sweet and possesses a firmness which makes it not only a good shipper, but an excellent keeper. The outside is only slightly ribbed with irregular nettings, light green with a slight yellowish cast, as it ripens. The originator claimed, whenever he started for market with a load of these melons, he was constantly besieged by householders, desirous of purchasing a supply. As a consequence, he said, there were none left, on these occasions, to take to market, so he turned back home, his stock being sold. Per packet 10c., 15c. ½ oz., per oz. 30c., \$1.00 per ¼ lb.

**"Golden West"
ought to be in
your garden
this year.**

The above two varieties of Vegetables are among the best for 1914



The Cream of Novelties and Specialties in Flower Seeds for 1914

FOR GENERAL LIST OF FLOWER SEEDS, SEE PAGES 77 TO 115

When we claim to offer the cream of Novelties, it not only means that they are new but that they possess merits worthy of anyone's trial. To deserve our claim for progressiveness we realize we must be the first in the field to offer the latest introductions of the hybridizer, yet we must be jealously careful in our selections from the hundreds of offers to guard against disappointments, and for this reason alone our list may be small compared with some others, but we are proud to say, there can be none better.



Michell's Giant Snapdragon (Antirrhinum)

NEW GIANT SNAPDRAGON (Antirrhinum) Michell's Salmon Pink

For effective grouping in the garden or for cutting, nothing surpasses the Giant Snapdragons, and we are pleased to be able to offer our customers seed of this new variety, which will be found a valuable addition to this class of flowers. The large flowers are produced on long spikes and are of a delicate salmon pink color. Per pkt., 15c.; 40c. per large pkt.

NEW CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

	Oz.	Large Pkt.	Pkt.
199 White	\$2.50	\$0.50	\$0.15
198 Shell Pink	2.50	.50	.15
200 Rose Pink	2.50	.50	.15
201 Purple	2.50	.50	.15
203 Mixed	2.50	.50	.15

Special Offer:—One packet each, Antirrhinum, Michell's Salmon Pink; Antirrhinum, Venus; Asparagus Hatcheri; and Aster, Crego Mixed, for 65c.

NEW GIANT SNAPDRAGON (Antirrhinum) "Venus"

A new color in the Giant Flowering Snapdragons, and just the color in demand; a lovely shell pink on white ground, set off by a pure white throat. The long stalks are thickly studded with large flowers of the finest form. This splendid new sort will undoubtedly become one of the most valued. Per pkt. 20c.; 40c. per large pkt.



Antirrhinum Venus

ASPARAGUS HATCHERI NEW TYPE OF ASPARAGUS PLUMOSUS

Of dense and symmetrical growth, dainty fern-like fronds set close together along the stalk; its large fronds and lasting qualities make it valuable for decorative use; also valuable for specimen pot plants. Per pkt., 25c.; \$1.50 per 100 seeds.



Crego Aster



New Astermum

NEW ASTERMUM**A GLORIFIED ASTER—A SPLENDID NEW TYPE**

A new Aster originating in the State of Illinois. A mid-season variety. The plant grows straight up with strong sturdy stems, starting near the base and reaching from 18 to 24 inches, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from **10 to 15 blooms**, large and double, which last a long while after being cut. We offered this variety last season for the first time, and have received numerous reports from our customers of the entire satisfaction which it gave.

	¼ Oz.	Lge. Pkt.	Pkt.
White	\$1.50	\$0.65	\$0.15
Pink	1.50	.65	.15
Lavender	1.50	.65	.15
Mixed	1.50	.65	.15

One pkt. each of the above 3 colors for 40c.

ASTER—VICK'S ENCHANTRESS PINK

A new variety of vigorous, upright, branching habit, with a great profusion of long, strong stems; the beautiful, large double flowers have the delicate pink shade of the Enchantress Carnation. The broad, flat petals give a pleasing soft effect. Per pkt., 20c.; 55c. per 3 pkts.; 6 pkts., \$1.00.

ASTER VICK'S WHITE KING

This new variety will attract the attention of every one who is acquainted with the Violet King. The flowers are large, full centered, and pure white; stems long, 16 to 20 inches; a profuse bloomer. Per pkt., 20c.; 55c. per 3 pkts.; 6 pkts., \$1.00.

ASTER PEERLESS PINK

A valuable variety of the late branching type, although coming into bloom a little earlier; bears a profusion, of large double flowers, of a rich, shell pink color, very similar in shade to the Mary Semple variety. Per pkt., 15c.; 65c. per large pkt.

THE CARDINAL CLIMBER

(Ipomoea Quamoclit Hybrida)

A distinct and valuable novelty; the result of a cross between Ipomoea Quamoclit (or Cypress Vine) and Ipomoea Coccinea. A very rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves dark green and deeply lacinated; bears a great profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. Per pkt., 20c.; 55c. per 3 pkts.

NEW GIANT FLOWERED CENTAUREAS

Magnificent flowers produced on long, stout stems; excellent for cutting, and lasting a long while after being cut.

The Bride. Pure white. Per pkt., 15c.; 40c. per large pkt.

The Bridegroom. Purplish mauve. Per pkt., 15c.; 40c. per large pkt.

Honeymoon. Golden yellow. Per pkt., 15c.; 40c. per large pkt.

RAINBOW CORN

Beautiful as the most showy Dracenas; broad stripes of crimson, yellow, white, green, rose and bronze; excellent for decorating purposes; as easily grown as field corn. Per pkt., 10c.; 40c per oz

CYCLAMEN "MRS BUCKSTON"

A new variety with beautifully frilled and waved flowers, which are of large size, often measuring 2½ to 3 inches across, and are produced in great abundance; color, delicate salmon. Per original pkt., 75c.



Celosia—Pride of Castle Gould

CELOSIA—OSTRICH PLUME Pride of Castle Gould

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in mixture. Per pkt., 15c., 40c. per large pkt.



NEW DOUBLE AFRICAN DAISY

(*Dimorphotheca Aurantiaca Hybrid fl. pl.*)

A new addition to this popular flower recently introduced; produces an abundance of double and semi-double flowers in many rich and varied shades, ranging from white to light and dark yellow, and from salmon rose to orange. Per pkt. 25c.; 65c. per 3 pkts.

LOBELIA HYBRIDA "Sapphire"

Great attention has been given of late years to the floral decoration of balconies and window fronts, and in addition to Petunias, Ivy-leaved Geraniums, etc., used for this purpose, trailing Lobelias are also coming into demand. This new variety is of remarkably strong growth; the flowers are unusually large for a Lobelia, measuring three-quarter inch across, and are thickly set on the long graceful sprays of foliage; color of flowers, intense deep blue with large, clearly defined white eye. A well-grown plant covered with these lovely blue oculate flowers makes a splendid sight. Per pkt., 20c.; 55c. per 3 pkts.

Dimorphotheca aurantiaca hybrida fl. pl.



New Giant Hibiscus

NEW GIANT HIBISCUS, Mallow Marvels

One of the most attractive perennials, flowering the second season from seed; grows to the height of 5 feet, bearing gigantic single flowers, 7 inches in diameter in many shades of red, pink, purple and white. The flowers resemble an open bell, face forward, and show their attractive yellow piston in the centre; blooms from July until frost. Per pkt., 15c.; 40c. per large pkt.

NEW GIANT COSMOS, White Lady

This new variety is a selection from the well-known and popular variety, Lady Lenox. The long stemmed pure white flowers are of immense size, often measuring 5 inches across; petals broad and overlap each other forming a beautiful circular flower, of good substance and lasting qualities. Per pkt. 15c.; 40c. per large pkt.

Special Offer:—
One pkt. each, *Celosia*, *Cosmos*, *Hibiscus*, *Dimorphotheca* and *Lobelia* described on this page, for 80c.



Lobelia—Sapphire

*Petunia—Michell's Monstrosus*

NEW LARGE FLOWERING PETUNIA Michell's Monstrosus

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers, are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 75c. per large pkt.

PENTSTEMON

LARGE FLOWERING WHITE (*Pentstemon Hartwegi Albus*)

The plants of this fine new variety attain a height of about 2½ feet; they branch freely from the base, develop a brilliant green foliage and throw up numerous flower-spikes, all thickly studded with large open-throated gloxinia-like blooms, one to one and one-half inches across; the buds at first are of a creamy color, but change to a clear white when opening. It blooms early and continues to bloom for a long time. Per pkt., 25c.; 65c. per 3 pkts.

PETUNIA Kelway's Model Grandiflora

A beautiful variety of the large flowering, fringed single petunia; bears a great abundance of flowers handsomely blotched and striped. Per pkt., 25c.; 65c. per 3 pkts.

Special Offer. One pkt. each of the six Novelties and Specialties, described on this page, for \$1.25.

*Pentstemon Hartwegi Albus*

GIGANTIC EVENING PRIMROSE *Oenothera "America"*

This new variety of Evening Primrose is most remarkable, the blooms never open until it has become dusk, after which the plants are completely covered with flowers often measuring 5 inches across, and of the purest white. During the night they change their color, and in the morning are of beautiful delicate pink, and as the sun rises the flowers gradually close up and at ten o'clock are entirely closed, so that you really have two spaces of time to admire this flower in. It begins to flower as early as June 15th and remains in bloom the entire season. Per pkt., 20c.; 55c. per 3 pkts.

NEW BLUE PETUNIA "Undine"

A new light blue Petunia of incomparable beauty and luxuriance, and therefore very valuable as a pot plant, as well as for garden beds; also valuable for window boxes, etc. The surpassing charm of this variety lies in the particular azure color which merges into the lilac margin. Per pkt., 25c.; 65c. per 3 pkts.

HARDY PHLOX SEED

(*Phlox Decussata*)

The newer and best named varieties in mixture. Per pkt., 25c.; 65c. per 3 pkts.

For plants of Michell's Superb Hardy Phlox
see page 138

*Petunia, Kelway's Model Grandiflora*



Petunia—Dwarf Large Flowering Fringed

DWARF LARGE FLOWERING FRINGED PETUNIA

The demand for really good dwarf, compact-growing Petunias has been met after years of careful selection in this excellent dwarf strain, with **large fringed flowers**. The plants grow only **8 inches high**, and while branching freely from the base, they remain quite compact. The individual plants make handsome small bushes, on which the numerous flowers, borne well above the foliage, appear in **all the colors common to Petunias**. Per pkt., 30c.; 80c. per 3 pkts.



Schizanthus, Bridal Veil

SCHIZANTHUS, BRIDAL VEIL (*Wisetonensis Albus*)

A new variety selected from the hybrids of *Schizanthus Wisetonensis*. Plants grow about 16 inches high, are compactly formed and **literally covered with glistening, snowy white blossoms**, which present a striking contrast with the bright fresh green of the **finely lacinated foliage**. Excellent as a pot plant. Per pkt., 30c.; 80c. per 3 pkts.

SCHIZANTHUS, GRANDIFLORUS MAXIMUS

Plants grow about 20 inches high, and produce an abundance of flowers of good substance, measuring from one to one and a half inches across, and **show an endless variety of color**. The foliage is bright green, fern-like, and very handsome. Per pkt., 20c.; 55c. per 3 pkts.

PRIMULA OBCONICA GRANDIFLORA "CRISPA"

An entirely new form of this splendid plant, the edges of each flower being fringed and creased; fully developed flower clusters have, therefore, a more double appearance, and an elegance which cannot readily be duplicated; the flowers are of extra large size; color, from **delicate apple blossom pink to deep pink**. Per pkt., 25c.; 65c. per 3 pkts.

PRIMULA "MALACOIDES"

This new and pretty variety introduced from China two years ago has proved to be one of the freest-flowering species for pots and is, in consequence, already widely cultivated. The seedlings **bloom in four to five months after sowing**; resembles *Primula Forbesi*, but its growth is much more sturdy, and the flowers, which are borne in whorls on long stems, are much larger; color, a **pretty light lilac**. Per pkt., 25c.; 65c. per 3 pkts.



Primula Malacoides Alba

PRIMULA "MALACOIDES ALBA"

This new variety produces **pure white flowers**; it is equally as handsome as the lilac type form described above, and will, no doubt, soon achieve a similar share of popular favor. Per pkt., 25c.; 65c. per 3 pkts.

NEW ANNUAL RED SUNFLOWER (*Helianthus Cucumerifolius Purpureus*)

Of miniature type the plants of this novelty present a most striking appearance on account of the unusual color of the flower. The bushes which branch freely are **literally covered** with flowers measuring $2\frac{1}{2}$ to 3 inches in diameter in a series of shades from **pink to purple**, often forming a circle on yellow ground around the dark disk; even the form of the petals vary, some are straight, others twisted and curled. Per pkt., 20c.; 55c. per 3 pkts.



NEW SPENCER OR ORCHID FLOWERED SWEET PEAS

"Spencer" Sweet Peas are distinguished by their most exquisite form of flower, waved petals, their wonderful vigor in plant, stem and flower, and their ability to produce, as a rule, four gigantic blooms on one long, stout stem.

FOR GENERAL LIST AND SPECIAL MIXTURE, SEE PAGE 110

King White A "perfect" white Spencer Sweet Pea, and much superior in form, size and substance to all others of this color. Whereas the petals of other white Spencers are thin and the standards generally inclined to reflex, King White has substance to spare, while the standards are of **immense size, bold expanded form, yet exquisitely waved.** It is an extremely vigorous grower, **very floriferous** and gives a large proportion of **four-flowered sprays.** W. P. Wright, in his Sweet Pea Note Book for 1913, says of King White: "At Sutton Green it was gigantic. It gives fours and is a great acquisition. It received an Award of Merit from the National Sweet Pea Society of England, July, 1912. It was also awarded a Certificate of Merit by the Pennsylvania Horticultural Society at the Sweet Pea Show in Philadelphia, June 26th, 1913, and also by The Royal Horticultural Society of England, July, 1913."

Original pkts. (15 seeds), 15c.; 25c. per 2 pkts.

Original pkts. (30 seeds), 25c.; 65c. per 3 pkts.

Illuminator The most charming color, or rather combination of colors, yet seen in Sweet Peas, and very difficult to describe. The name conveys in part one of the charms of this beautiful variety, as the warm **salmon-orange** ground color of the flower scintillates through the **rich, bright cerise-pink** and illuminates the flower delightfully. Illuminator is of strong, vigorous growth and **blooms most profusely.** The flowers, well placed upon long, stout stems, are uniformly of great substance, the standard being bold, expanded and **attractively waved.** Awarded Certificate of Merit by the Pennsylvania Horticultural Society, Philadelphia, June 26th, 1913.

Original pkts. (12 seeds), 15c.; 25c. per 2 pkts.

Original pkts. (25 seeds), 25c.; 65c. per 3 pkts.

Wedgwood This new variety is appropriately named, as its color throughout is a **unique shade of Wedgwood blue,**—a color so popular in China and destined now to become almost equally famous in this distinct new Sweet Pea. Wedgwood produces profusely flowers of good size, borne almost uniformly in **four-flowered sprays,** well placed upon long stout stems. Of finest Spencer form, the **standard and wings** are **well waved.** Awarded Certificate of Merit by the Pennsylvania Horticultural Society at the Sweet Pea Show, Philadelphia, June 26th, 1913.

Original pkts. (12 seeds), 15c.; 25c. per 2 pkts.

Original pkts. (25 seeds), 25c.; 65c. per 3 pkts.

Empress Eugenie This beautiful novelty was awarded a Certificate of Merit by the American Sweet Pea Society, June 29, 1912, but owing to its shy seeding character it was not introduced until this season. The color is a **delicate tone of light gray, flaked with light lavender.** A vase or bunch of Empress Eugenie gives a most charming effect. The flowers are of **large size, beautifully waved and crimped.** A vigorous grower and very free bloomer, throwing a large proportion of **four-flowered sprays.**

Original packets (15 seeds), 15c.; 25c. per 2 packets.

Original packets (30 seeds), 25c.; 65c. per 3 packets.

SPECIAL OFFER.—One packet each of the 5 varieties of New Spencer Sweet Peas offered on this page for 65c.



An Average Spray of King White—Reproduced from a Photograph

Charm As the name implies, this novelty is indeed a "charming" variety of delicate and exquisite color. It was awarded a Certificate of Merit by the American Sweet Pea Society in 1911; the flowers are of fair size and most of the strong, stiff stems bear **four flowers each.** Of the finest Spencer type, they are throughout a **glistening, pure snow-white, suffused** equally through standard and wings with **delicate flesh or blush pink.** It comes very true and is a most beautiful variety for bunching.

Per pkt., 15c.; 70c. per oz.; per ¼ lb., \$2.50.



NEW GIANT ROBUSTA ZINNIAS

This new form is a wonderful advance in size and shape and gives the plant a most majestic appearance. The plants grow extremely robust to a height of 2½ feet, have stout straight stems dressed with large broad foliage and crowned with **gigantic perfectly double flowers often measuring 5 to 6 inches across**; a revelation to all who are accustomed to the common Zinnia. Splendid for cutting or garden effect.

	Oz.	Large pkt.	Pkt.
Scarlet	\$2.00	\$0.50	\$0.15
White	2.00	.50	.15
Golden Yellow	2.00	.50	.15
Crimson	2.00	.50	.15
Flesh Color	2.00	.50	.15
Purple	2.00	.50	.15
Sulphur Yellow	2.00	.50	.15
Violet	2.00	.50	.15
Mixed .....	.90	.25	.10

Special Offer: One pkt. each of the above 8 separate colors for \$1.00.

NEW GIANT ZINNIA "Isabella"

This is of the same habit and large size as the Giant Zinnias described above; color, **delicate buff, shaded yellow**. Per pkt., 15c.; 40c. per 3 pkts.



Verbena Hybrida Compacta—Dornroschen

NEW DWARF VERBENA "Dornroschen"

A new variety of **dwarf compact growth**, especially valuable for planting for low groups or for borders. Bears a great profusion of **large flowers**; color, **white with soft carmine rose edge**, giving to the plant a particularly nice aspect. Per pkt., 25c.; 65c. per 3 pkts.

NEW GIANT FLOWERED VERBENAS IN DISTINCTLY NEW COLORS

This new variety is not only distinguished by its **giant blooms**, made attractive through a **light-colored centre** and an exquisite edge of **silvery white**, but an entirely **new range of colors**, such as Tyrian Rose, Purple, Garnet, Turkey Red, Geranium Red, Rosy Scarlet, etc. Each flower has a large white eye.

Mixed Colors. Per pkt., 15c.; 65c. per large pkt.

VIOLA CORNUTA—"G. Wermig"

A new variety introduced from England, which flowers continuously all summer, and on account of its many good qualities it is one of the most popular both in England and Germany. Unfortunately this variety heretofore produced but very little seed, but through the breeder seeds have now been produced more plentiful; while the flowers have the form of the Viola Cornuta they have the **identical color of the Violet, "Princess of Wales"**; are borne on long stems in great profusion and can be used as a substitute for Violets. Pkt., 20c.; 55c. per 3 pkts.



Verbena—Helen Willmott

VERBENA—"Helen Willmott"

After many years of constant selection, seed of this Verbena has at last been saved in sufficient quantity to be offered for sale. A large percentage of the flowers are of the true "Helen Willmott" color, a **pretty bright salmon rose, with white eye**. Per pkt. 25c.; 65c. per 3 pkts.

Special Offer: One packet each Verbena Dornroschen, Helen Willmott, and Giant Flowering Mixed, Viola G. Wermig, Zinnia Isabella and Robusta Mixed for 90c.



Artemisia Lactiflora

DELPHINIUM

Belladonna Semi-Plena. The finest of all light blue larkspurs. The majestic spikes are covered with flowers of gigantic size, the latter appearing in several rows on the stem. Planted amongst the dark blue kinds it makes a charming effect. 75c. each; doz., \$7.50.

Capri. The origin of this variety is from the same source as the wonderful sort Moerheimi, to which it is an elegant companion. The immense sky blue flowers are a rich attraction to any garden. It is a free and continuous bloomer; a variety, that should be in every Delphinium collection. Extra strong plants, 50c. each; per doz., \$5.00.

Moerheimi. The first and only real pure white hardy larkspur. It grows 3 to 4 feet high, and flowers continuously from June until Autumn, and produces more spikes on a single plant than any other variety. The side stems themselves are often over two feet long. These qualities make it one of the best varieties for cutting. The flowers are of the purest white. One can hardly imagine a prettier effect than large clumps of this white Delphinium intermixed with the rich shades of blue of the other sorts. \$1.00 each; (stock limited).

Mrs. J. S. Brunton. A splendid loosely branched variety with immense clear blue flowers on spikes which are three feet long. This variety blooms more freely than any other, being in flower the entire summer. We consider it one of the best of the Delphinium family. Extra strong plants, 50c. each; per doz., \$5.00.



Delphinium Capri

ANCHUSA MYOSOTIDAEFLORA

A distinct species of the Anchusas, which will immediately find favor with lovers of this kind of plants. It grows from 12 to 15 inches high; and during April and May throws up numerous sprays of bright blue forget-me-not shaped flowers. Extra strong plants, 50c. each; per doz., \$5.00.

ARTEMISIA LACTIFLORA

Of the large variety of late summer and fall flowering Perennials this is among the best. The plant grows from 3 to 4 feet high, while above the massive, attractive scented fernlike foliage arise numerous flower spikes of pure white. The past summer we grew a large block of these in our nursery which attracted the attention of every one who saw it. It has a rich spicy odor, and will be found of great value for massing in a background of perennial borders. Flowers from the middle of August, until cut down by frost. It is a valuable cut flower and resembles somewhat in appearance and odor the Easter flowering Spiraea. Extra strong plants, 25c. each; per dozen, \$2.50; \$15.00 per 100.

AETHEOPAPPUS PULCHERRIMUS

Valuable, flowering hardy plants, especially suited for garden decoration and a cut flower. The blooms resemble somewhat Giant Cornflowers and are of dazzling pink shade. The lasting qualities of the flowers, both on the plant and as a cut flower, are remarkable. Flowers beginning in July; grows 2 to 2½ feet tall. Extra strong plants, 30c. each; dozen, \$3.00.



German Iris

EUONYMUS KEWENSIS

A very hardy dense growing vine, which is especially well adapted for rockeries. This variety has very small leaves of a dark green color with lighter veins, which remain green all winter. Extra strong plants. 25c. each; per doz., \$2.50.

GERMAN IRIS (Germanica)

Ceres. Of dwarf growth, about 18 inches high. The large flowers are of purest white with a pale yellow beard. Very showy. 25c. each; doz., \$2.50.

Laura. A rather tall growing variety, about 30 inches high, producing a most stately flower, the standard of which is lavender shaded white, while the falls or lower petals are rich purple. It is exceedingly striking and instantly appeals to all lovers of German Iris. Extra strong divisions, 25c. each; doz., \$2.50.

Mrs. Reuthe. One of the very finest of the German Iris with gigantic flowers. The standards are white, shaded and veined bluish gray. The falls or lower petals are also white, edged or frilled a soft blue. It is easily one of the handsomest of the German Iris. 25c. each; doz., \$2.50.

SPECIAL SERVICE

We have associated with us several expert plantsmen, who are particularly familiar with perennials, who know best, how, when and where to plant and the right kinds to use. It will give us pleasure (without any obligation on your part to purchase), to make suggestions and to submit plans for perennial plantings of all kinds. We can furnish the best quality of stock, and while the planting thereof is something out of our line, we are well acquainted with several experienced landscape gardeners, whose services we are pleased to recommend.

Note.—This year we have greatly increased our facilities for producing perennial plants. Our collection has been greatly improved and our customers in this department will be pleased with the quality we will furnish them.

TESTIMONIAL FAIRMONT, W. VA.

The herbaceous perennials were fine, husky specimens. Thanks for the good quality.

Supt. to Hon. C. W. Watson.

ALEX. MACELWEE.

TWO NEW HARDY PHLOXES

Chastity. There are many good white Phloxes offered to-day, but none that we have seen can approach this novelty. It is one of the earliest to bloom and remains in flower as late as many other sorts. By that we do not mean in partial bloom, but rather in full flower. The plant itself is of medium height, extremely robust, with deep green foliage, which is crowned with gigantic flower heads of glistening white flowers, each of which is of immense size. It has, without doubt, the largest individual bloom and cluster of any of the Phloxes. Combining this quality with that of continuous flowering makes it of unusual value. 25c. each; doz., \$2.50; \$18.00 per 100.

Europa. In a large field of many sorts this Phlox stands out above all others. The plant grows about 15 inches high, of which fully 7 inches is devoted to the length of the flower heads or truss, exclusive of the stem. It is easily 5 inches across. Nothing we know of can approach its gigantic size and beauty. It is one of the recent introductions, of which we have accumulated quite a stock; this enables us to offer it at a ridiculously low price. The color is a soft blush white, with a delicate carmine pink eye. It begins to flower in July and is a mass of bloom until cut down by frost. In our opinion it is easily the handsomest hardy Phlox in existence to-day. While some may object to white Phlox in general, this variety has just enough of other color in it to make it very attractive. We recommend it for extensive planting on account of the very low price. Extra strong plants, which will bloom freely this year, 25c. each; per dozen, \$2.50; \$18.00 per 100.

LATHYRUS LATIFOLIUS (Everlasting Pea)

White Pearl. A glistening pure white, with giant trusses of flowers twice the size of the ordinary white variety. It blooms during the best part of the summer, lasting well into the autumn. One of the best hardy climbing or Pillar plants in commerce to-day. Extra strong plants, 3c. each; doz., \$3.00.

SALVIA VIRGATA NEMOROSA

The hardy Salvias lend an interesting variety to the perennial border. This one grows into a shapely, dense bush form, above which tower the flower spikes, decked with many deep blue blossoms. Before opening fully the buds are of a lighter shade of blue, which makes it even more attractive. Extra strong plants, 30c. each; per doz., \$3.00.

*New Hardy Phlox Chastity**A 4 inch pot plant of Helen Michell—Note the wonderful freedom of bloom***NEW SCARLET BEDDING GERANIUM
HELEN MICHELL**

This charming variety has been named after the oldest daughter of the head of our house. It is by all odds the most brilliant and finest scarlet Geranium ever put on the market. The blooms are gigantic, the number of flower heads on the individual plant is remarkable. It is more vigorous and hardy than any Geranium we know of. It starts to flower early in May and continues uninterruptedly until cut down by frost. Even through the hot, dry weather it retains its brilliancy of color and great flowering qualities. It is of medium height, very compact, with lustrous, heavy foliage. The flowers are semi-double, while the individual florets are frequently 2 inches in diameter. The cut shown opposite is made from a photograph of a 4-inch pot plant. We have already booked orders for some 20,000 plants at the time this book was printed. The stock is limited and we predict a heavy demand for Helen Michell. This Geranium was the only new variety of plants awarded a certificate of merit at the National Flower Show, held in New York City, April, 1913.

Prices of plants—2¼ in. pot size, ready in February, 35c. each (postpaid); dozen, \$4.00; \$30.00 per 100. Four-inch pot plants, ready in May, 50c. each; dozen, \$5.00; \$35.00 per 100. In ordering please state when you desire shipment made; otherwise we will forward as soon as plants are ready, in order of rotation, as requests are received.



Carnation, Princess Dagmar

CARNATIONS

Gloria. This variety is wonderfully free flowering, with a color that almost defies description. It is a seedling bred from several generations of seedlings, increased production over existing varieties being its best feature. It is a beautiful silver pink in color. Flower medium in size but nicely formed; calyx is perfect. We do not hesitate to recommend this variety where a medium-sized bloom in quantity is desired.

Plants from 2¼-inch pots, \$3.00 per doz., \$20.00 per 100.

Gorgeous. This is the "American Beauty" of the Carnation family. It is a giant in growth and flowers freely, but not so prolifically as smaller varieties. In color it may be described as rich, glowing crimson, suffused with brilliant vermilion. It becomes scarlet under artificial light. It is a variety for high quality bloom and produces exceptional flowers in mid-winter.

Plants from 2¼-inch pots, \$4.00 per doz., \$25.00 per 100.

Matchless. This splendid Carnation is the most promising of any white variety ever offered. The flowers are large and borne on long, stiff stems. It is a free bloomer, very fragrant, with fringed edged petals. The calyx is good. It has won the Gold Medal at the International Flower Show and we consider it one of the coming standard commercial Carnations.

Plants from 2¼-inch pots, \$3.00 per doz., \$20.00 per 100.

Philadelphia. This new Carnation has been exhibited on frequent occasions during the past year and has met with a very favorable reception. It is a true rose pink in color. The flowers are large and well formed; the stems are long and straight. The calyx is of the best. It is a variety with strong constitution, and having the other desirable qualities it should fill a long-felt requirement for a variety of this color.

Plants from 2¼-inch pots, \$3.00 per doz., \$20.00 per 100.

Princess Dagmar. A new crimson variety. Very large, full flowers, nicely formed. The habit of the plant is excellent. The color very deep. This variety is the highest type of dark red or crimson in existence.

Plants from 2¼-inch pots, \$3.00 per doz., \$20.00 per 100.

See also page 134 for standard sorts of greenhouse Carnations.

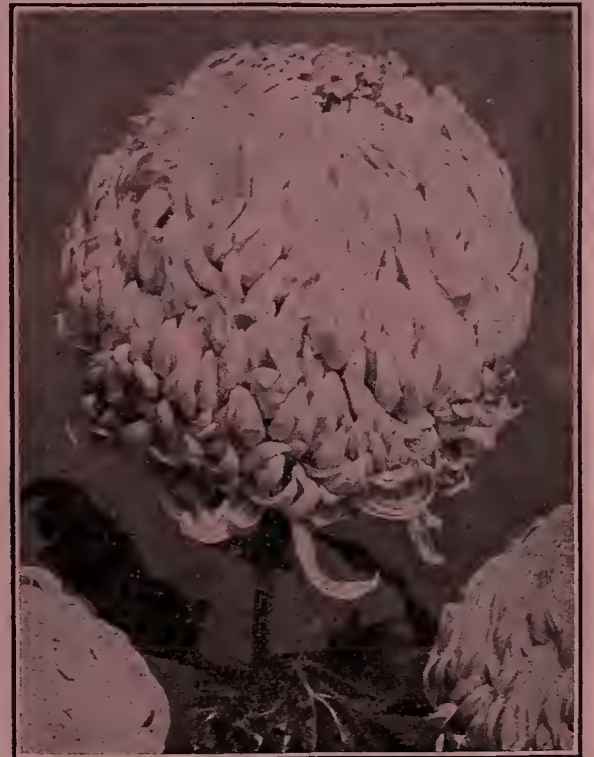
CHRYSANTHEMUMS

Annie E. Angus. Pure white in color and flowers very large. 30c. per plant; \$3.00 per dozen.

Golden Robin. Described by the introducer as an improved Golden Age, being easier of propagation and brighter in color. With us a very fine medium-sized flower, golden bronze in color, and making excellent stem and foliage. 25c. each; doz., \$2.50.

CHRYSANTHEMUMS (Continued)

Greystone. This new variety is a seedling from Brutus and Soleil d' Octobre, and is a most beautiful golden bronze in color, the specimen plant shown at the Museum of Natural History at New York being one of the original plants. This specimen carried one thousand blooms of large size, and in the opinion of experts was one of the finest specimens ever exhibited. Greystone is a seedling raised by W. H. Waite, and the variety has proven such a success, not only as a specimen plant, but grown as commercial flowers are grown.



Chrysanthemum, White Perfection

Plants from 2¼-inch pots, 75c. each; \$7.50 per doz.

Improved Golden Chadwick (Pollworth). The Chadwick family of Chrysanthemums are the highest type of the commercial varieties, and any sport of Chadwick that is an improvement will be welcomed. This new variety had its origin in the West. We have taken part of the stock and will distribute the variety the coming season. It is described as identical with the parent in all respects except form and color of the bloom. It is a perfectly formed flower and a deeper golden yellow in color. Plants from 2¼-inch pots, 30c. each; \$3.00 per dozen.

Indian Summer. This variety is a sport from Golden Chadwick. The originator has grown the variety in quantity to make certain that the odd color was in demand and has satisfied himself that there is a demand for Indian Summer from those who know how to use flowers. The wonderfully beautiful effects which can be had by the proper setting will be recognized by those by whom floral art is understood, and it is to these men that a novelty of this sort will appeal. Being a sport of Chadwick, the habit and growth being identical, there is no necessity for enlarging upon the success of the variety from the growing standpoint. In color the groundwork is yellow, but into this is blended the terra cotta and salmon shades with a tinge of bronze that gives to it a distinctiveness that insures popularity. The color of autumn foliage during Indian Summer in a measure describes the coloring, and it has been named in honor of the season of the year which brings Chrysanthemums to their glory.

Plants from 2¼-inch pots, 75c. each; \$7.50 per doz.

Mary E. Meyer. One of last season's novelties. It is a Japanese of medium size, very pure white in color and coming to perfection about November 1st. The growth is short-jointed and foliage large and heavy. The plant grows from 3 to 4 feet tall. According to our results this variety is the finest commercial of recent years. 25c. each; doz., \$2.50.

Mrs. Gilbert Drabble. Pure white in color, of the largest exhibition size, with petals arranged in a whorl, making a most attractive bloom. 30c. each; \$3.00 per dozen.

White Perfection. A novelty of last season; pure white in color. Large rounded incurved flower.

Plants from 2¼-inch pots, 25c. each; \$2.25 per doz.; \$15.00 per 100.

See also page 134 for list of standard varieties of Indoor Chrysanthemums and page 153 for Hardy Chrysanthemums.

DOUBLE-FLOWERING HARDY ENGLISH CHRYSANTHEMUMS

**English Hardy Chrysanthemum "Primavere"**

Price of English Chrysanthemums, 20c. each; doz., \$2.00; \$15.00 per 100. One each of the above 15 varieties for \$2.50.
(See also page 153 for a complete list of Hardy Chrysanthemums).

Private gardeners and others, who are not yet acquainted with this type of Chrysanthemum, on seeing them for the first time, will marvel at their wondrous beauty and free-flowering qualities. Although they are principally cultivated as an outdoor plant, they respond wonderfully when grown inside.

The varieties of these, which we list, are the cream of European sorts, and are a wonderful advance on the popular Pompon types. They are chiefly conspicuous by the fact that they commence to bloom as early as August and continue in flower until cut down by severe frost. The blooms of most kinds measure as much as 3½ to 4 inches across, and if disbudded, form handsome specimen blooms on long stems, admirably adapted for decorative purposes. We predict that when these become better known they will entirely supersede the smaller type of hardy "mums" now in general use.

Border Beauty. A fiery orange, with gold tips, and reverse; an attractive and useful variety.

Champagne. Fiery ruby red, very free flowering, lasting from early October until frost.

Countess. Lovely pure white variety; a gem disbudded; splendid cut flower variety; September, October.

Ethel Blades. Very distinct, chestnut scarlet; a unique and charming variety.

Golden Queen of Earlies. A sport from Queen of the Earlies; similar in form and habit, the color being a rich yellow; September, October.

Le Pactole. Bronzy yellow, a vigorous grower very large flower, best disbudded. October.

Mme. Marie Masse. Of a lovely shade of lilac mauve; one of the best, a general favorite. September.

Mrs. A. Beech. Bronze, a distinct variety. October.

Mabel Roberts. A beautiful deep pink, with long erect sprays. September, October.

Normandie. Delicate pink, a lovely color, blooms as early as mid-August and continues in flower for two months.

October Gold. Very free; a splendid bronzy yellow.

Queen of the Earlies. Pure white, a large flower borne on fine stiff stems.

Primavere. Primrose, dwarf, bushy habit. October.

Salmon Rouge. Rosy salmon, a lovely shade.

Well's Crimson. Bright crimson, reverse and tips of petals gold.

NEW ROSES (Hybrid Teas)

KILLARNEY BRILLIANT. Killarney was introduced in 1898, and since then there have been so many sports that Killarney has developed into a type rather than a variety. Messrs. Alexander Dickson & Sons, the original introducers, are to be congratulated, sixteen years after the advent of Killarney, in giving us now this distinct novelty, which is undoubtedly the best of all varieties of this type. The color is a very brilliant pink and varies like Killarney; in bright weather it is almost crimson and in dull weather, when Killarney is so pale, it is as bright as Killarney at its best.

Grafted, 2¼ inch.....75c. each; dozen, \$7.50; \$40.00 per 100.
3 inch.....75c. each; dozen, \$7.50; \$45.00 per 100.
4 inch.....\$1.00 each; dozen, \$9.00; \$50.00 per 100.

MME. EDOUARD HERRIOT (Pernet-Ducher). This variety does not need a wide description. It is already known by having won at the International in May, 1912, the *Daily Mail* Cup, also the Gold Medal at the National Rose Society on May 1, 1913. It is a hardy shrub with ample bronzy-green foliage, buds coral red, shaded yellow at the base, mid-sized flower, not too full.

Grafted, 2¼-inch.....75c. each, \$7.50 per doz., \$40.00 per 100
3-inch.....75c. each, 7.50 per doz., 45.00 per 100
4-inch.....\$1.00 each, 9.00 per doz., 50.00 per 100

OLD GOLD (McGredy & Son) (HT). A beautiful decorative variety, and the most glorious color that has ever been seen in any rose; the tint is a vivid reddish orange with rich coppery red and coppery apricot shadings. Its dark coppery foliage forms a delightful contrast; it is sweetly scented; continuous flowering. Awarded the Gold Medal of the National Rose Society, 1912.

Grafted, 2¼-inch.....75c. each, \$7.50 per doz., \$40.00 per 100
3-inch.....75c. each, 7.50 per doz., 45.00 per 100
4-inch.....\$1.00 each, 9.00 per doz., 50.00 per 100

WILLOWMERE (Pernet-Ducher). Vigorous shrub with strong branches, foliage clear green; long bud borne on a strong peduncle, coral-carmine red; very large flower, full cup-shaped, of a rich shrimp red shaded yellow in the centre with extremity of the petals carmine rose.

2¼ inch. 60c. each; dozen, \$6.00; \$35.00 per 100.
3 inch. 75c. each; dozen, \$7.50; \$40.00 per 100.
4 inch. \$1.00 each; dozen, \$9.00; \$45.00 per 100.

MME. EDMOND ROSTAND (Pernet-Ducher) A vigorous grower with deep green-bronzed foliage; fine long buds opening to very large flowers with bold outer petals, pale flesh shaded salmon and reddish orange, yellow centre. Like Prince de Bulgarie, which it resembles, it is variable but always charming.


2¼-inch60c. each, \$6.00 per doz., \$35.00 per 100
3-inch75c. each, 7.50 per doz., 40.00 per 100
4-inch\$1.00 each, 9.00 per doz., 45.00 per 100

See also page 135 for shaded sorts of forcing Roses, and pages 139 to 145 inclusive for complete list of outdoor roses.


**Rose Killarney Brilliant**

MICHELL'S GRASS SEEDS

MAKE FINE LAWNS
IN 4 TO 6 WEEKS TIME




MICHELL'S
GOLF COURSE GRASS SEED
\$ 3.00 PER BUSHEL



MICHELL'S SHADED
LAWN SEED
\$1.25 PER PECK
\$5.00 PER BUSHEL

MICHELL'S EVERGREEN
LAWN SEED
\$1.00 PER PECK
\$4.00 PER BUSHEL (20LBS)



MICHELL'S
PERMANENT PASTURE
GRASS SEED
\$3.00 PER BUSHEL



HENRY F. MICHELL CO.
518 MARKET ST., PHILADELPHIA

THE OLD WAY

CLIMAX LAWN SAND

**WEEDY
LAWN
REMEDY**



It is no exaggeration to state that more real efforts are wasted in an endeavor to restore weedy lawns to ideal conditions. For the usual or older ways are only of a temporary benefit and are extremely time-killing and expensive. **CLIMAX LAWN SAND** is a real boon for the man who wants to keep his lawn free from weeds. Our claim for **CLIMAX LAWN SAND** is that it will kill weeds in the lawn without injuring the grass. In order to make this statement comprehensive we must acquaint the reader with its nature:

CLIMAX LAWN SAND is a unique combination of finely ground chemicals, which, when sprinkled over the grass, possess the remarkable property of destroying Moss, Chickweed, Plantains, Dandelions and all other weeds on Lawns, Tennis Courts, Golf Greens, etc., at the same time promoting the growth of the finer grasses.

Many readers will wonder how it is possible for any preparation to destroy weeds and not the grass? The explanation is as follows:

The chemicals used in "Climax Lawn Sand" are of such a nature that they will readily destroy any plant to which they can adhere (except grass). Weeds as a rule have broad hairy leaves or grow in matings so that the powder can easily remain on the plants for several hours, while the grasses are smooth and fine bladed and do not accept the sand as adherence.

WHEN TO APPLY

"Climax Lawn Sand" may be applied any time during the growing season of the year, namely, from beginning of April to the end of October.

The lawn must be absolutely dry; by that is meant that no rain or dew must be visible on the grass.

Ten to twelve A.M. during the months of April, May and October, nine to twelve A.M. during June, July, August and September.

HOW TO APPLY

Only apply in fine weather when the temperature is fairly high and when no rain appears likely for a day or two. This is most important.

For shallow rooted close-cropped weeds such as Moss, Chickweeds or Daisies sprinkle "Climax Lawn Seed" all over each patch, so as to lightly cover them with slight dusting, distributing evenly about five ounces for every square yard. Gauge the quantity according to the number of weeds. Repeat the application if any escape the first dressing. For all flat-leaved, shallow rooting weeds such as Plantains, Thistles, etc., a larger quantity is required, and we recommend that a small teaspoonful should be placed on the crown of each plant.

DANDELIONS and other deep rooting plants with top roots are the most troublesome to deal with. We recommend roughly slicing off the crown and putting a large teaspoonful on the wound. The plant will break out again lower down, when this treatment should be repeated. The top root will then decay and the dandelion will never trouble you again. Only in rare instances is a third application necessary.

THE EFFECT

of an application is visible within a very few hours; the weeds blacken and die; the grass usually also becomes blackened and may remain so for a few days, but it quickly recovers its color, and young growths appear on the bare spots previously occupied by the weeds.

Should the weather be very hot and dry, the lawn should be thoroughly watered at the expiration of 48 hours after the application.

It acts as one of the most powerful fertilizers for grasses if applied as a top dressing in the early spring. For top dressing as a fertilizer apply $\frac{1}{4}$ ton per acre.

QUANTITY REQUIRED AS A DESTROYER

3 1/2 lbs.	will dress	150 square feet	.....	\$0.40
7 "	" " "	250 "	" "	.75
14 "	" " "	500 "	" "	1.25
28 "	" " "	1,000 "	" "	2.00
56 "	" " "	2,000 "	" "	3.50
112 "	" " "	4,000 "	" "	6.00
560 "	" " "	20,000 "	" "	25.00
1,120 "	" " "	40,000 "	" "	45.00

THE WIKEHAM WEED ERADICATOR AND CLIMAX WEED KILLER

The Eradicator is a tubular staff 36 inches long, filled with the "Climax Weed Killer." You push the point of the Eradicator into the crown and root of the dandelion and the root is forever destroyed without the least injury to the surrounding grasses.

Wikeham
Weed
Eradicator

Wikeham Weed Eradicator (Complete), \$4.00.

Climax Weed Killer, Tin, No. 1 (enough to make 25 gallons of liquid), \$1.50.

SPECIAL OFFER. A Wikeham Weed Eradicator and a can of Climax Weed Killer for \$5.00.

THE NEW WAY



HENRY F. MICHELL CO.

518 Market Street,

PHILADELPHIA, PA.



Grounds of the new Masonic Homes, Elizabethtown, Pa. (showing Grand Lodge Hall), sown exclusively with Michell's Grass Seeds. The Hon. George B. Orlady, Chairman of the Committee, having in charge the installation of the buildings and the arrangement of the grounds, after exhaustive inquiry and reports on purity and germination tests of Grass Seeds, awarded us the entire contract for supplying Grass Seeds to sow their immense tract of lawn.

MICHELL'S GRASS SEED "TOP NOTCH"

25 POUNDS PER BUSHEL

At any price it would hardly be possible to get together a more perfect blend of thoroughly recleaned grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant green color. Again we have frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, so finally decided that there was room for still greater improvement in lawns than our already high grade mixtures of grasses would produce.

Top Notch weighs 25 lbs. per bushel and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales amounting to more than half million (500,000) lbs. per year, we are able to get the choice of the Grass Seed Market. Imagine a perfect Grass Plot with a slight inkling of white clover where every tuft and blade is fine, closely grown together and without a weed. There is not a particle of chaff in this mixture and it cannot help but satisfy the most particular lawn critic. On account of the heavy nature and quality of the seed, unusual results are obtained in the shortest space of time. We recommend sowing this mixture at the rate of about $3\frac{1}{2}$ to 4 bu., per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, \$2.00 per peck; per $\frac{1}{2}$ bush., \$3.75; \$7.00 per bush. (of 25 lbs.); 2 bush., \$13.50; \$32.50 per 5 bush.; 10 bush., \$62.50.

A few of the many Testimonials received on the merits of Michell's Grass Seeds:

The 30 bushels of Green Velvet Grass Seed received from you last month was sown in three different places (about seven acres in all). I feel proud when I say it was the best seed I ever handled; the lawns it made are great.

D. J. BENNETT,

Supt. to Percy Leavitt, Esq., Akron, Ohio.

Akron, Ohio, Sept. 5, 1913.

We are placing with you a second order for Green Velvet Lawn Grass, for the reason that the first lot was so satisfactory to our company that we wanted equally good results from the plot we are now sowing.

THOS. ROCKWELL,

EAST AKRON CEMETERY Co.

Secretary.

MICHELL'S "GREEN VELVET" GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. Our experiments have proven conclusively that only with a reliable mixture of several varieties of grasses can a quick permanent lawn be produced, for this reason we do not recommend the sowing of any one variety, such as Blue Grass, etc., alone.

Michell's Green Velvet Grass Seed weighs 20 lbs. per bushel. This fact alone is proof of its purity.

Quantity to sow. You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows:

1 qt. on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1,500 sq. feet (30 x 50); 1 bushel on 7,000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

Prices: 1 pt., 20c.; 1 qt., 30c.; 4 qts., 85c.; 1 peck, \$1.25; 1 bu., \$5.00; 5 bu., \$24.00; 10 bu., \$47.50; 25 bu., \$112.50.

Booklet "How to Make and Care for a Lawn" free.

The remarkably *Fine Lawns* seen at the Philadelphia National Export Exposition; The Pan-American Exposition, Buffalo; The Jamestown Exposition, Va.; The Lewis-Clarke Exposition, Portland, Ore., were seeded with Michell's Green Velvet Grass Seed. For years it has been extensively sown in the Public Parks and Squares of Philadelphia (including Fairmount Park). The Parks of Wilkes-Barre, Reading, Harrisburg, Penna., on the Executive Mansion Grounds, Washington, D. C., and on thousands of Country Estates.

☛ Your special attention is called to CLIMAX LAWN SAND, offered opposite

(hc)



**MICHELL'S SHADED LAWN
GRASS SEED**
25¢ per qt., 4 qts. 75¢, \$1.25 per peck
per bu. 20 lbs. \$5.00.

MICHELL'S SHADED LAWN GRASS SEED

Shaded Locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have had a special study of such conditions and after extensive experimenting have combined a mixture of grasses that will produce perfect swards in the most densely shaded places. It must be borne in mind that too much shade creates sour soil and to guard against this apply air-slaked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. Lime should be applied about every three years only, while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass on preceding page. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. Prices: 1 pt., 15c.; 1 qt., 25c.; 2 qts., 40c.; 4 qts., 75c.; peck, \$1.25; bush., (20 lbs.), \$5.00; 5 bush., \$24.00; 10 bush., \$47.50. We sell Sheep Manure, Bone Meal, Land Plaster, etc.

TESTIMONIAL

I've used Michell's Shaded Lawn Seed and have the highest praise for its remarkable quality. Have tried many times previously to get a stand of grass under some trees, but have not been successful 'till I used your Shaded Lawn Mixture.
Frackville, Pa. W. R. Trautman.

TESTIMONIAL

Enclosed find check for \$33.70 for Michell's Shaded Lawn Seed received. I've used this on new ground, and tho' sown but a short time it is all up and the ground well covered with grass. It has given splendid satisfaction.
West Chester, Pa. S. G. Willauer.

MICHELL'S EVERGREEN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet on page 23. It weighs 20 lbs., per bushel and every kernel is full of vitality. Prices: Pt., 15c.; qt., 25c.; 4 qts., 65c.; peck, \$1.00; bush. (20 lbs.), \$4.00; 5 bush., \$19.50; 10 bush., \$38.50.

TESTIMONIAL

I bought from you last winter some Michell's Evergreen Grass Seed and sowed it this spring. It is by long odds the finest I've ever seen, if my lawn is any criterion.
Washington, D. C. W. H. Green.

TESTIMONIAL

Your Michell's Evergreen Grass Seed has already produced a fine lawn and sown only a few weeks ago. It's a grand mixture indeed.
Trenton, N. J. Henry Clinkaberry.



The above illustration represents an active scene on the course of the Merion Cricket Club, Ardmore, Pa. Their grounds and putting greens are pronounced by everyone who has seen them to be perfect. Much grass on this course was produced from Michell's Seeds; and it has been the means of bringing us many customers. The course was made by that well-known expert, Fred. G. Pickering, who constructed Wolliston, Woodland and the Belmont courses in Massachusetts, Lake Placid, N. Y.; Atlanta, Ga. and numerous others. However, that golf expert, A. H. Findlay, says, that the Merion course, Pickering's latest creation, is one of the prettiest golf courses in America. (The seed, of course, being responsible for a great deal of this.)

We are especially well equipped to supply separate varieties of grass seeds of the highest quality to clubs, professionals or others who desire to do their own mixing. Our Grass Seeds are all submitted to the U. S. Dept. of Agriculture and the leading Seed Testing Stations of Europe before they are allowed to be shipped to us by our growers. By such a rigid system our customers have absolute assurance to get nothing but the best. Samples are cheerfully supplied without cost.

MICHELL'S GOLF COURSE MIXTURE

The formula for this mixture was reached after a lifetime experience of the late P. F. Foy, at the time Superintendent of the Philadelphia Country Club, Bala, Pa. These grounds were conceded to be and still are among the finest golfing turf in the United States; Michell's Grass Seeds have been sown there annually for many years. The mixture is composed of short-growing, deep-rooted varieties that resist plenty of wear. It retains its color well during the severest droughts, and the clubs mentioned below are a few of the many, whose courses are seeded with Michell's Fair Greens Mixture. Golf courses to retain their permanency should receive additional sowings during the season to replace any weak or wornout spots. Sow 6 bushels per acre.

Prices: Qt. 20c., 2 qts. 35c., 4 qts. 60c., 1 peck \$1.00, 1 bu. (15 lbs.) \$3.00, 5 bus. \$14.50, 10 bus. \$27.50, 25 bus. \$65.00.

MICHELL'S PUTTING GREENS MIXTURE

While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsman. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, thin-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as these places are subjected to continuous hard use. We do not recommend less than 1 bushel of 20 lbs. (and more is better) to a green 75 foot square.

Prices: 1 qt. 30c., 4 qts. 90c., 1 peck \$1.50, 1 bush. (20 lbs.) \$6.00, 5 bush. \$28.75, 10 bush. \$55.00.

WHITE CLOVER

Choicest re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.).
 ¼ lb., 15c.; 50c. 1b.; 5 lbs., \$2.40; \$4.50 for 10 lbs.; bu. (60 lbs.), \$24.00; \$40.00 per 100 lbs.

A FEW GOLF COURSES THAT SOW MICHELL'S GRASS SEEDS

Aronimink Golf Club, Pa.	Lansdowne Country Club, Pa.	Old York Rd. Country Club, Pa.	Westbrook Country Club, Ohio
Athletic Club of Phila.	Euclid Club, Ohio	Philadelphia Country Club, Pa.	West Chester Golf and Country Club, Pa.
Belfield Country Club, Pa.	Huntingdon Valley Country Club, Pa.	Philadelphia Cricket Club, Pa.	White Marsh Valley Country Club, Pa.
Bucks Co. Country Club, Pa.	Mayfield Country Club.	Philmont Country Club, Pa.	Pine Valley Golf Club.
Cape May Golf Club, N. J.	Mahopac Golf Club, N. Y.	Plymouth Country Club, Pa.	Sea View Golf Club.
Des Moines Country Club, Ia.	New Merion Golf Club, Pa.	Sioux City Golf Club, Ia.	
Germantown Cricket Club, Pa.		St. Davids Golf Club, Pa.	
	And many others, including numerous private golf courses.		

Expert Information on Grass Given Free—either in person or by letter

MICHELL'S SPECIAL MIXTURES OF GRASSES

Fairmount Park Lawn Seed. A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or $2\frac{1}{2}$ bushels in renovating old lawns. Prices: Per qt. 20c., 35c. for 2 qts., 4 qts. 60c., 85c. per pk., per bush. of 15 lbs. \$3.00, \$14.50 for 5 bush., 10 bush. \$28.50.

Michell's Seashore Formula Grass Seed. The salt atmosphere plays havoc with the seashore lawn. This formula contains such grasses only as thrive in salt air regions. Sow 4 bushels to the acre on new ground or $2\frac{1}{2}$ bushels for reseeded old lawns. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bush. of 20 lbs. \$5.00, 5 bush. for \$24.00, \$46.00 for 10 bush.

Michell's Terrace or Embankment Grass Seed. Sow 4 bushels per acre. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bush. of 20 lbs. \$5.00, 5 bush. \$24.00, \$46.00 for 10 bush.

Southern States Lawn Grass Seed. Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt., 2 qts. 35c., 60c. for 4 qts., pk. \$1.00, \$3.50 per bush., 5 bush. \$16.25.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bush. Prices: 25c. per qt., 2 qts. 40c., 75c. for 4 qts., pk. \$1.00, \$4.00 per bush., 5 bush. \$18.75, \$36.50 for 10 bush.

Note—All Grass Mixtures except Putting Greens and Golf Course contain white clover. Any of them, however, can be furnished without this.



Michell's Permanent Pasture Grass Seed. In the past few years ideas of what was the best way to establish a permanent grazing sod have undergone many changes. The then prevalent method of sowing timothy and clover has been found not only costly but too short lived to answer the purpose. The old custom has given way to the new, which is the sowing of a mixture of permanent grasses. Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years, although we advise additional sowings each autumn just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 3 to 4 bushels per acre on new lands or 2 bushels on established pastures (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c., bush. (15 lbs.) \$3.00, 5 bush. \$13.75, 10 bush. \$26.00, 25 bush. \$62.50, 50 bush. \$120.00.

Michell's Permanent Hayfield Grass Seed. While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bushels per acre on new lands, or 2 bushels on established fields (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c.; bush (15 lbs.) \$3.25, 5 bush. \$14.00, 10 bush. \$27.00, 25 bush. \$65.00, 50 bush. \$125.00.

An **English Chain Harrow** is ideal in preparing grass lands.

No. 1—For 1 horse, 5 x 6 feet.	Weight, 126 lbs.	.....\$17.50
No. 2—For 2 " 6 x 7 $\frac{3}{4}$ "	" 236 "	..... 24.00
No. 3—For 2 " 9 x 11 "	" 357 "	..... 30.00

WE ARE HEADQUARTERS FOR GRASS SEEDS

MICHELL'S RECLEANED GRASS SEEDS

SEPARATE VARIETIES

Prices subject to change

Our Grass Seed and Clover Sales in 1913 Totaled 539,599 POUNDS
(OVER HALF A MILLION)—a sure indication that we are headquarters.

Some people prefer to sow grass of one kind or a combination of several grasses, and there are many occasions when this is advisable; for those, we have arranged below a list of the best sorts in use to-day. They are absolutely pure, free from weed seeds and have all passed the high standard established by the U. S. Dept. of Agriculture, to whom they are submitted by us for purity and germination tests before being placed on the market. Samples cheerfully mailed on request free.

Awnless Brome (*Bromus inermis*). This is a native perennial of Austria, growing from 3 to 5 ft. high. It is excellent for hay and does well on very dry soils, therefore valuable in climates that are subject to severe droughts. Roots are of creeping habit and when once established, is permanent for years. Used principally as a hay or pasture grass. Sow 40 lbs. per acre (14 lbs. per bush.). 20c. lb., bush. \$2.50, \$15.00 per 100 lbs.

Blue Grass—Recleaned Kentucky (*Poa pratensis*). This grass possesses more merit than possibly any other, for lawn and pasture work it is invaluable; once established it lasts indefinitely. It forms a very close turf of fine texture, succeeding in most any soil or climate. In sowing it is well to mix with it other grasses that mature sooner, as blue grass requires several years before it reaches maturity. Sow from 3 to 5 bush. to the acre (14 lbs. per bu.). 20c. qt., 25c. lb., bu. \$2.75, \$17.50 per 100 lbs.

Bermuda Grass. Hardy only in the South, used there for pasture and lawn; sow 15 lbs. per acre. \$1.00 lb., 10 lbs. \$9.00, \$85.00 per 100 lbs.

Blue Grass Canada (*Poa Compressa*). A perennial with creeping root habit, forming a dense and durable turf. It thrives on the poorest kind of ground and under all extremes of condition; it makes fine pasture. Grows about 20 inches high, according to conditions of soil. Sow 3 to 5 bushels per acre (14 lbs. per bushel). 15c. lb., bush. \$2.00, \$12.00 per 100 lbs.

Creeping Bent (*Agrostis stolonifera*). A compact perennial grass of creeping habit, producing a turf of resisting qualities. On account of this feature it is especially recommended and used for putting greens and is admirable for lawn work. Sow 3 to 4 bushels to the acre (20 lbs. per bushel). 45c. lb., bush. \$7.00, \$35.00 per 100 lbs.

Crested Dog's Tail (*Cynosurus cristatus*). A dense-growing variety thriving best on rich, moist soil, although it can adapt itself to various conditions; it is ideal for putting greens and lawn work, thriving also well in the shade; grows from 1 to 2 feet high. Sow 3 to 4 bushels to the acre (21 lbs. per bushel). 35c. per lb., bush. \$6.50, \$27.50 per 100 lbs.

English or Perennial Rye Grass (*Lolium perenne*). (Pacey's short seeded.) An ideal grass for lawn, hay or pasture; it is recommended where a quick, strong growth is wanted, making a good appearance in from four to five weeks; it does well on terraces on account of its deep rooting nature; when matured it is from 1½ to 2 feet high. Sow 3 bushels to the acre (24 lbs. per bushel). 15c. lb., per bu. \$2.75, \$10.00 per 100 lbs.

Fine Leaved Fescue (*Festuca tenuifolia*). (Slender Fescue.)

This does well even on very dry, poor soils; for this reason is desirable for terrace work; stands grazing unusually well and is an all-around desirable grass for lawns, pleasure grounds or pasture fields. Sow 3 bushels to the acre (14 lbs. per bushel). 50c. per lb., bush. \$6.00, \$35.00 per 100 lbs.

Herd or Red Top—Fancy Recleaned (*Agrostis vulgaris*). A very hardy grass, doing well on ground that is not too dry, it adapts itself, however, to most any condition and with the exception of Kentucky Blue Grass is the most widely used of the American grasses. Ideal for lawn, golf ground, pasture, or hay field work. It pays to sow the recleaned seed on account of entire absence of any chaff. Sow 25 lbs. to the acre (32 lbs. per bushel). 35c. lb., bush. \$10.50, \$30.00 per 100 lbs.

Herd or Red Top—Unhulled. This is the same as above except that the hull has not been removed from the seed and requires more to sow an acre. Sow 4 to 5 bushels per acre (10 lbs. per bushel). 20c. lb., bush. \$1.75, \$15.00 per 100 lbs.

Hard Fescue (*Festuca duriuscula*). Suited principally to pasture and hayfield purposes, doing well in dry, sandy and shallow soils; it withstands long periods of drought as well as extremes of heat and cold; when matured is from 1 to 2 feet high. Sow 3 bushels per acre (12 lbs. per bushel). 30c. lb., bush. \$3.00, \$22.00 per 100 lbs.

Italian Rye (*Lolium italicum*). A variety coming to full maturity the first season. It retains its green color well throughout the winter, but lasts only a few seasons; it seems to thrive well in the hottest climates and is valuable as a lawn grass in the South, although we recommend sowing other varieties with it. For temporary lawns or sowing at the seashore it is desirable. Height, 1½ to 2 feet. Sow 3 bushels per acre (18 lbs. per bushel). 15c. lb., bush. \$2.00, \$10.00 per 100 lbs.

Meadow Fescue or English Blue Grass (*Festuca pratensis*). This is one of the best hay or pasture grasses that can be sown. On account of its not reaching maturity for the second or third year, it is always a good plan to sow other grasses with it. It succeeds best in soil that does not become too dry. Height, when matured, about 2 feet. Sow 2½ bushels per acre (22 lbs. per bushel). 20c. lb., bush. \$3.25, \$14.00 per 100 lbs.

Prices of Separate Grasses Subject to Market Changes

GRASSES IN SEPARATE VARIETIES—Continued

Orchard Grass (*Dactylis glomerata*). Used principally for early pastures and hay crops, as it matures very quickly. Live stock of all kinds relish it. It should be cut before it shows the seed-head, as it cures more tender; may be cut several times a season. It has a habit of growing in bunches. This can be overcome by sowing other grasses with it, also if rolled once every spring. Desirable for sowing for pasture in shaded orchards; should not be used in lawns. Height, when matured, 3 feet. Sow 4 bushels to the acre (12 lbs. per bushel). 25c. lb., bush. \$2.50, \$17.50 per 100 lbs.

Red or Creeping Fescue (*Festuca rubra*). This is extensively used in dry, sandy locations, doing well on the poorest kind of soil; for sowing on embankments and shady places it is extremely valuable. It also makes a very good lawn at the seashore. Is of creeping habit and forms a close fine turf. Sow 3 bushels to the acre (14 lbs. per bushel). 30c. lb., bush. \$3.75, \$22.00 per 100 lbs.

Rhode Island Bent (*Agrostis canina*). This is one of the dwarfest grasses in cultivation, making short, narrow leaves; while used extensively in lawn mixtures, its greatest value is for making putting greens, where it produces a close velvet-like sod. It does well in good or bad soils during drought or excessive moisture. For a quick lawn effect nothing equals it. When matured it is 18 inches high. Sow 3 bushels to the acre (14 lbs. per bushel). 45c. lb., bush. \$5.25, \$35.00 per 100 lbs.

Sheep's Fescue (*Festuca ovina*). One of the few grasses that does well on poor, shallow soil; in fact it thrives where many others would not do. It is not susceptible to extreme drought or severe winters. It is one of the best pasture grasses, as well as for lawn sowing when mixed with other varieties. When matured it stands about 12 inches high. Sow 4 bushels to the acre (12 lbs. per bushel). 30c. lb., bush. \$3.25, \$24.00 per 100 lbs.

Sweet Vernal (Annual). (*Anthoxanthum odoratum puelli*). This lasts for one season only, but imparts a fragrant odor to the grass while being cut. If used in a hay or pasture mixture it tends to sweeten it and making it more appetizing for the cattle. Sow 5 lbs. per acre with other grasses. 25c. lb. (5 lbs. \$1.00), \$15.00 per 100 lbs.

Sweet Vernal (Perennial). (*Anthoxanthum odoratum REAL*). The characteristics of this are the same as with the annual variety, with the exception that it is of lasting nature and, therefore, excellent for pastures or hayfields. The seed should be thoroughly rubbed, separated and mixed with fine soil before sowing. Sow 5 lbs. per acre with other grasses. 60c. lb., (5 lbs. \$2.75), \$45.00 per 100 lbs.

Timothy (*Phleum pratense*). The standard hay grass of America, which is probably used more than any other. It delights in a heavy, loamy soil where it always produces the maximum crop. Can be sown alone, with wheat, or as a mixture for red clover or other grasses. It should be cut just when the seed stalk is about ripened. Height, when matured, from 2½ to 3 feet. When sown alone use ½ bushel per acre; with red clover 12 qts. and with wheat 8 qts. per acre (45 lbs. per bushel). 15c. per lb. (Price varies constantly, ask for quotations.)

Tall Meadow Oat (*Avena elatior*). This (sometimes called French Rye Grass) makes a very early prolific growth and is thus desirable for hay and pasturage. Can be harvested twice a year as a hay crop. Extremely valuable for use in the South or other places where long, severe drought exists. Under these conditions it is adapted for lawn work, where it retains a beautiful green color. Height, when matured, 3½ to 4 feet. Sow 5 bushels to the acre (10 lbs. per bushel). 25c. per lb., bush. \$2.25, \$20.00 per 100.

Various Leaved Fescue (*Festuca Heterophylla*). Desirable for pasture or hayfield sowing, thriving best in low moist soils; matures early and is quite hardy; does well in shaded orchards, etc.; stands two to three feet high when fully matured. Sow 40 lbs. per acre (15 lbs. per bushel). 35c. per lb., bush. \$4.50, \$27.50 per 100 lbs.

Wood Meadow (*Poa nemoralis*). One of the best grasses for sowing under trees in lawn work, it seems to thrive there when no other grass will. Is perfectly hardy and shows up a rich green growth early in the spring. For mixing with putting green grasses it is highly desirable, as it produces a very dwarf compact growth. Sow 2½ bushels per acre (14 lbs. per bush.). 45c. per lb., bush. \$5.50, \$35.00 per 100.



**MICHELL'S
"HAY FIELD"
GRASS SEEDS**
PER QT. 20¢ POSTPAID 25¢
PER 4 QT. 50¢
PER PECK 85¢
PER BUSHEL \$3.25
5 BUSHELS \$14.00
10 BUSHELS \$27.00

Condensed Price-List of Grass Seeds, Clovers and Farm Seeds 29

(PRICES SUBJECT TO MARKET CHANGES)

Michell's Grass Seed Mixtures

	Per qt.	2 qts.	4 qts.	Peck	Bushel
Michell's Top Notch.....				\$2.00	\$7.00
Green Velvet.....	\$0.30	\$0.50	\$0.85	1.25	5.00
Shaded Lawn Grass.....	.25	.40	.75	1.25	5.00
Evergreen .....	.25	.40	.65	1.00	4.00
Fair Greens' Mixture.....	.20	.35	.60	1.00	3.00
Putting Greens' Mixture.....	.30	.50	.90	1.50	6.00
Fairmount Park Lawn Grass..	.20	.35	.60	.85	3.00
Seashore Formula.....	.25	.40	.75	1.25	5.00
Terrace or Embankment Grass					
Mixture .....	.25	.40	.75	1.25	5.00
Southern States Lawn Grass..	.20	.35	.60	1.00	3.50
Special Sod Grass.....	.25	.40	.75	1.00	4.00
Permanent Pasture Grass.....	.20		.50	.85	3.00
Permanent Hayfield Grass.....	.20		.50	.85	3.25

Michell's Recleaned Grass Seeds

In separate varieties

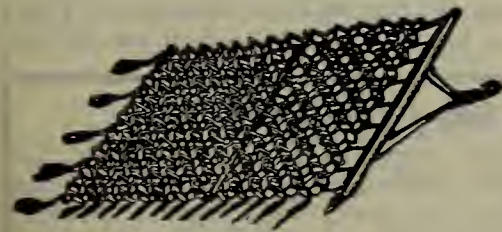
	Lbs. per bushel	Lb.	Bushel	100lbs.
Awnless Brome (<i>Bromus inermis</i>)..	14 lbs.	\$0.20	\$2.50	\$15.00
Blue Grass, Recleaned Kentucky				
(<i>Poa pratensis</i>).....	14	.25	2.75	17.50
Bermuda Grass. 10 lbs. for \$9.00.....		1.00		85.00
Blue Grass, Canada (<i>Poa Compressa</i>)	14	.15	2.00	12.00
Creeping Bent (<i>Agrostis stolonifera</i>)	20	.45	7.00	35.00
Crested Dog's Tail (<i>Cynosurus cris-</i>				
<i>tatus</i>)	21	.35	6.50	27.50
English or Perennial Rye Grass				
(<i>Lolium perenne</i>).....	24	.15	2.75	10.00
Fine Leaved Fescue (<i>Festuca tenui-</i>				
<i>folia</i>)	14	.50	6.00	35.00
Herd or Red Top, Fancy Recleaned				
(<i>Agrostis vulgaris</i>).....	32	.35	10.50	30.00
Herd or Red Top, Unhulled.....	10	.20	1.75	15.00
Hard Fescue (<i>Festuca duriuscula</i>)...	12	.30	3.00	22.00
Italian Rye (<i>Lolium italicum</i>).....	18	.15	2.00	10.00
Meadow Fescue or English Blue				
Grass (<i>Festuca pratensis</i>).....	22	.20	3.25	14.00
Orchard Grass (<i>Dactylis glomerata</i>)..	12	.25	2.50	17.50
Red or Creeping Fescue (<i>Festuca</i>				
<i>rubra</i>)	14	.30	3.75	22.00
Rhode Island Bent (<i>Agrostis canina</i>)	14	.45	5.25	35.00
Sheep's Fescue (<i>Festuca ovina</i>).....	12	.30	3.25	24.00
Sweet Vernal, Annual (<i>Anthoxan-</i>				
<i>thum odoratum pucelli</i>).....		.25		15.00
Sweet Vernal, Perennial (<i>Anthox.</i>				
<i>odor. Real</i>).....		.60		45.00
Timothy (<i>Phleum pratense</i>).....		.15		
Tall Meadow Oat (<i>Avena elatior</i>)...	10	.25	2.25	20.00
Various-leaved Fescue (<i>Festuca</i>				
<i>heterophylla</i>)	15	.35	4.50	27.50
Wood Meadow (<i>Poa nemoralis</i>)....	14	.45	5.50	35.00

Michell's Recleaned Clovers (60 lbs. per Bush.)

Please write for prices on larger quantities. Prices change constantly.

	Per lb.		Per lb.
Alfalfa	\$0.25	Crimson	\$0.15
Alsike .....	.25	Mammoth Red.....	.25
Bokhara .....	.25	Red, Medium.....	.25
White or Dutch Lawn Clover. ¼ lb., 15c.; 50c. per lb.; 5 lbs., \$2.40; \$4.50 for 10 lbs.; bu. (60 lbs.), \$24.00; \$40.00 per 100 lbs.			

SCOTCH CHAIN HARROW



One of the best imple-
ments for pulverizing
the surface soil, leveling
and smoothing, and is
also splendid for cover-
ing grass seeds, etc. Used
on driveways and race
tracks, it smooths the
surface, eliminating ruts
and footprints.

	Weight
No. 1F. One-horse size, 5 x 6 feet.....	126 lbs. \$17.50
No. 2F. Medium two-horse, 6 x 7¾ feet.....	236 lbs. 24.00
No. 3F. Full two-horse size, 9 x 11 feet.....	357 lbs. 30.00

Carrots (See also page 44)	Oz.	¼ lb.	Lb.
Improved Long Orange.....	\$0.15	\$0.40	\$1.25
White Belgian.....	.10	.30	1.00

Cattle Beets (Mangel Wurzel) (See also page 41)

	Oz.	¼ lb.	Lb.	5 lbs.
Golden Tankard.....	\$0.07	\$0.20	\$0.60	\$2.50
Improved White Imperial.....	.07	.20	.60	2.50
Mammoth Long Red.....	.07	.20	.60	2.50
Red Globe.....	.07	.20	.60	2.50
Yellow Globe.....	.07	.20	.60	2.50

Field Seed Corn (See also page 70)

	Per qt.	4 qts.	Peck	Bushel
Leaming Early Dent.....	\$0.15	\$0.40	\$0.60	\$2.25
Golden Beauty.....	.15	.40	.60	2.25
Chester County Mammoth.....	.15	.35	.60	2.25
Cloud's Early Yellow Dent.....	.15	.40	.65	2.25
100 Day Bristol.....	.15	.35	.60	2.25
Early Canada Flint.....	.15	.35	.60	2.25
Hickory King.....	.15	.35	.60	2.25
Virginia Ensilage .....	.10	.30	.60	2.00
Red Cob Ensilage.....	.10	.30	.50	1.85
Eureka Yellow Dent.....	.15	.35	.60	2.25

Other High Grade Farm Seeds

	Lbs. per bushel	Qt.	Peck	Bushel
BUCKWHEAT, Japanese	48 lbs.	\$0.15	\$0.50	\$1.50
Silverhull	48	.15	.50	1.50
BARLEY, Beardless	48	.15	.50	1.50
Primus	48		1.00	3.25
BROOM CORN, Evergreen.....	46	.15	.75	2.25
BEANS, SOJA OR SOY				
Mammoth Yellow | Ito San				
Early Hollybrook | Wilson				Prices on application.
CANADA FIELD PEAS. Price on application.				
COW PEAS				
Black				
Large Black Eye | New Era				
Whippoorwill | Early Ramshorn				Prices on application.
KAFFIR CORN, White.....	56 lbs.	\$0.10	\$0.40	\$1.50
MILLET, Hungarian, German or Golden, price on application.				
" Japanese Barnyard. 10c. per lb.; 10 lbs., 80c.; \$7.00 per 100 lbs.				
" Pearl (50 lbs. per bushel). 12c. per lb.; per 10 lbs., \$1.10; \$5.00 bushel.				
OATS (32 lbs. per bushel).		Qt.	Peck	Bushel
" Ligowo II.....			\$0.65	\$2.50
" Swedish or Washington.....		\$0.15	.40	1.50
" Canadian Cluster.....		.15	.45	1.50
" Storm King.....		.20	.60	2.00
" Welcome .....		.15	.35	1.20
" Virginia Gray Winter.....		.15	.40	1.20

RAPE, Dwarf Essex. 10c. per lb.; 10 lbs., 90c.; \$7.00 per 100 lbs.

	Qt.	Peck	Bushel
RYE, Spring	\$0.10	\$0.50	\$1.60
" Winter .....	.10	.40	1.35

SUGAR CANE OR SORGHUM			
Early Amber.....	48 lbs.	\$0.15	\$0.60 \$2.25
TEOSINTE. 75c. per lb.; 5 lbs., \$3.50.			

SUNFLOWER			
Mammoth Russian. 10c. qt.; 4 qts., 30c.; 55c. peck; bu., \$1.75.			
SPELTZ OR EMMER. 15c. qt.; pk., 50c.; bu., \$1.75.			
VETCHES OR TARES (60 lbs. per bushel).			
Hairy or Winter (<i>Vicia Villosa</i>). 12c. lb.; 10 lbs. for \$1.00; \$5.40 per bushel; per 100 lbs., \$8.75.			
Spring (<i>Vicia Sativa</i>). 10c. per lb.; 10 lbs., 75c.; \$3.25 per bu.; 100 lbs., \$5.00.			
SPRING WHEAT			
Saskatchewan Fife. 15c. qt.; peck, 60c.; \$2.25 per bushel.			
WINTER WHEAT. In season we carry a large stock of the best varieties.			

In ordering Farm Seeds always allow 22c. for every two-bushel Seamless Bag used. These are returnable for credit or refund at the price charged.

30 MICHELL'S RECLEANED CLOVERS (PRICES SUBJECT TO MARKET CHANGES)

This line with us is a specialty. It is always economy to buy the best in farm seeds and that is just what we offer. We are extremely careful to see that all of our seeds are of the highest purity and germination tests, and our very large business in this department tends to show that this policy is the wisest.

Alfalfa or Lucerne. The most valuable forage crop on the American farm to-day, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa goes into this carefully and is free for the asking. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre preferably with no other crop. *Our seed is always over 99% pure*, and will invariably give the best of results. Price per lb., 25c. Write for price on larger quantities, as it changes constantly.

TESTIMONIAL ON MICHELL'S UTAH ALFALFA

*Elk Ridge, Md.
The Alfalfa I bought of you was sown on Sept. 4th. By Sept. 9th it was showing above the ground and to-day, the 24th, I have a stand three inches high. I am simply amazed at the good quality of the seed.*
DR. W. R. EARECKSON

Water Proof Covers or Caps for Alfalfa. For placing over cocks while hay is curing and protecting it against rain or storm. Made of waterproof drill.

	Each	Doz.	100
5 x 5 feet.....	\$0.85	\$9.00	\$67.50
6 x 6 "	1.25	12.00	90.00

These caps are equipped with brass eyelets and ropes.

Alsike or Swedish Clover (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high, is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price, 25c. lb. Price on larger quantity on application.

Bokhara or Sweet Clover (*Melilotus*). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is an excellent article. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. Price, 25c. per lb.; 10 lbs., \$2.00.

Crimson Clover (*Trifolium Incarnatum*). Delaware Grown Seed. This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year, although no other crop can be raised on the field that season. Fall or late summer seeding makes it possible to use the field the following season. It is not hardy for more than one season and must be sown each year, flowers crimson. Price, 15c. per lb.; larger quantity prices on application.

Write and get our prices and samples of Clovers and Farm Seeds before buying elsewhere.



Cutting Alfalfa on the Farm of R. Mason Lisle, Paoli, Pa.
Seed furnished by us.

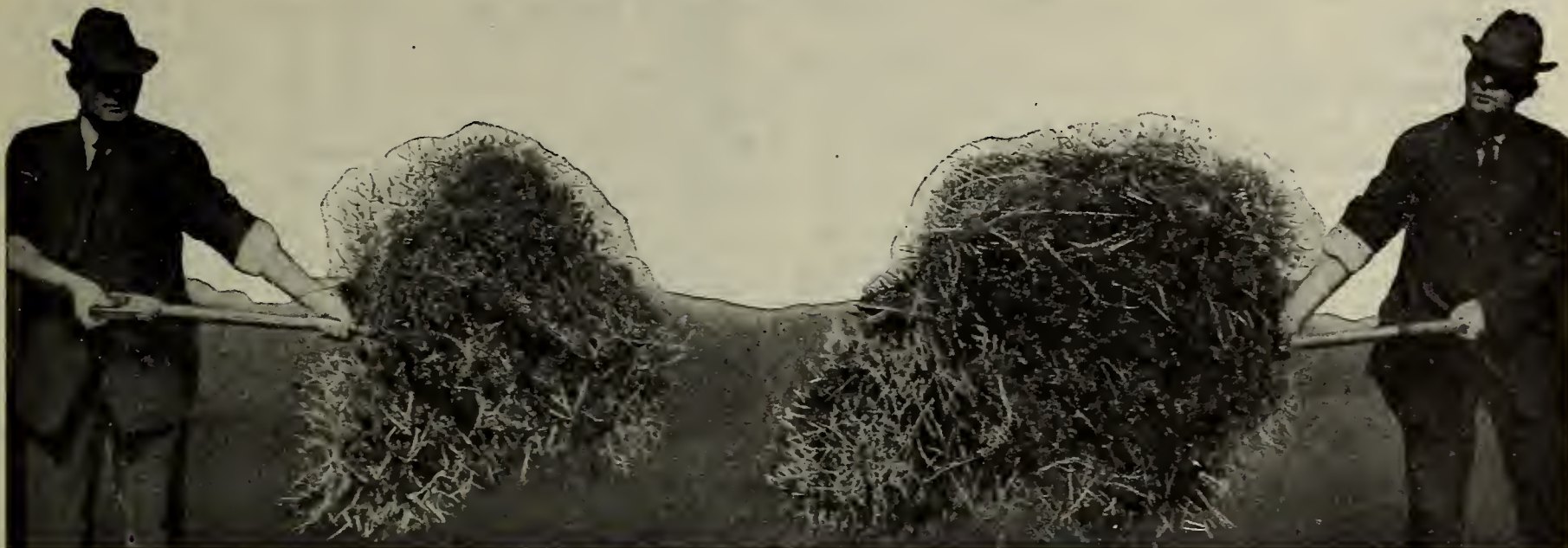
Mammoth Red Clover (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be harvested several times in a season. Price, 25c. per lb.; larger quantity prices on application.

Red Clover, Medium (*Trifolium pratense*). More widely known and used than any other, used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price, 25c. lb.; larger quantity, price on application.

White Dutch or Lawn Clover (*Trifolium Repens*). This is just as valuable for pasturage as it is for lawn work, it makes especially fine grazing for sheep and cows. For poor, shallow or sandy soils it succeeds where other clovers and grasses fail, and it seldom tramples out. For mixing with lawn grass it helps establish a quick permanent turf, grows about 4 inches high and is hardy under all conditions; it can be sown at all seasons although early spring is best; flowers greenish white. Apply 10 to 12 lbs. per acre if sown alone or 5 lbs. if sown on old turf or with other crops. Prices: $\frac{1}{4}$ lb., 15c.; 50c. lb.; 5 lbs., \$2.40; \$4.50 for 10 lbs.; bu. (60 lbs.), \$24.00; \$40.00 per 100 lbs.

FARMOGERM NITROGEN-GATHERING BACTERIA FOR CLOVERS

It is a well established fact that it pays to inoculate clover seed with *Farmogerm*. The crop matures more quickly, is larger, and the ground is richer by at least the equivalent of 1000 lbs. of nitrates. This has been frequently supplied in the form of Nitrate of Soda at a cost of about \$5.00 per acre or more. *Farmogerm* when applied to the clover seed supplies it free, outside the cost of the bacteria. Nitrogen is plentiful in the air and the farmogerm-treated plant makes it possible for it to be absorbed readily. Write for a booklet on this wonderful discovery. Acre size bottles, \$2.00; 5 acre and larger, \$1.80 per acre. Always specify crop wanted for when ordering. For legumes only. See opposite page for full particulars.



ALFALFA FROM A WELL PREPARED SEED BED—NO INOCULATION

ALFALFA FROM A WELL PREPARED SEED BED—INOCULATED

It will be seen that the yield of the latter is almost double that of the uninoculated seed

FARMOGERM THE WONDERFUL FERTILIZER FOR LEGUMINOUS CROPS

ALFALFA AND OTHER LEGUMINOUS FARM CROPS WILL GROW MORE ABUNDANTLY

if the soil is properly sweetened with lime and worked to a good seed bed and the seed inoculated with Farmogerm high-bred bacteria. Without bacteria, of the proper variety, in sufficient amounts (and in an active nitrogen-gathering condition) it is impossible to successfully grow alfalfa or other legume crop.

A United States Department of Agriculture Bulletin says:—

“It is worse than useless to attempt to grow any leguminous crop without being certain of the presence of the bacteria, which enable the plants to fix free nitrogen. Certain regions are practically devoid of the right kind of bacteria, and unless some artificial means of inoculating with the germ is resorted to, the crop will be a failure.”

FARMOGERM high-bred bacteria meets every condition above mentioned. They are grown and selected by a costly laboratory process until they develop the wonderful possible power of creating 2000 pounds of nitrates to the acre, while bacteria which may be found to exist naturally in the soil at various sections throughout the country create not more than one quarter of this amount.

FARMOGERM high-bred bacteria is delivered in bottles ready to use by diluting with a little water and sprinkling on the seeds. Seed for ten acres can be thoroughly inoculated in ten minutes. The method of inoculation by means of a transfer of soil from fields in which a legume plant is or has been grown, is not only very costly, but weeds, molds and various soil diseases have been spread over wide areas by this primitive and unsatisfactory method.

The great Fertilizer Value of Legumes depends entirely upon Inoculation with Farmogerm. 1000 to 2000 Pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form as the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of Farmogerm to the seed of these legumes when planting practically trebles the nitrogen-gathering power and for this reason we urge all planters to use it on all such occasions. Please note that Farmogerm is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where Farmogerm was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

FARMOGERM SAVES THE COST OF ALL EXPENSIVE NITRATE FERTILIZERS

FARMOGERM can be had for any of the following crops in either $\frac{1}{4}$ acre, 1 and 5 acre bottles. Each crop requires a different culture or bacteria and one cannot be used for the other (except where noted):

Alfalfa or Lucerne
Alsike
Burr Clover
Crimson Clover

Canada Peas
Cow Peas
Garden Beans (Pole and Bush)

Garden Peas
Peanuts
Red Clover
Sweet Peas

Soja Beans
Vetches
White Clover

No. 1 for Red, White, Crimson and Alsike Clover.

No. 2 for Alfalfa or Lucerne.
No. 3 for Vetch or Canada Field Peas.

No. 4 for Soja Beans and Cow Peas when sown in mixture only.

No. 5 for Garden Peas, Garden Beans (Pole and Bush) and Sweet Peas.

GARDEN OR $\frac{1}{4}$ ACRE SIZE, 50c. 1 ACRE SIZE, \$2.00. 5 ACRE SIZE, \$9.00

Complete Book on Farmogerm and Inoculations FREE. Always state for what crop Farmogerm is desired when ordering.

Condensed Price-List of Michell's Vegetable Seeds, Plants and Roots

*WHERE MARKED UNDER ½ OZ. COLUMN MEANS LARGE SIZE PACKET

	Pkt.	½ oz.	1 oz.	¼ lb.
ANISE	\$0.05		\$0.10	\$0.35

ARTICHOKE.

Green Globe05	.15	.30	1.00
-------------------	-----	-----	-----	------

ARTICHOKE PLANTS.

Green Globe. \$1.50 per doz.; 25, \$2.50; \$10.00 per 100.				
--	--	--	--	--

ARTICHOKE ROOTS.

Jerusalem. 15c. per qt.; peck, 75c.; \$2.50 per bushel.				
---	--	--	--	--

ASPARAGUS.

	Pkt.	1 oz.	¼ lb.	lb.
Argenteuil, Michell's Giant.....	\$0.10	\$0.20	\$0.40	\$1.25
Barr's Mammoth.....	.05	.10	.25	.80
Columbian Mammoth White.....	.05	.10	.25	.85
Conover's Colossal.....	.05	.10	.20	.50
Palmetto or Eclipse.....	.05	.10	.20	.50

ASPARAGUS ROOTS.

	2-year-old Roots.			3-year-old Roots.		
	100	500	1000	100	500	1000
Argenteuil, Michell's Giant..	\$1.00	\$4.00	\$7.50	\$1.75	\$7.50	\$15.00
Barr's Mammoth.....	.75	3.00	5.50	1.50	6.50	12.50
Columbian Mammoth.....	.75	3.00	5.50	1.50	6.50	12.50
Conover's Colossal.....	.75	3.00	5.50	1.50	6.50	12.50
Palmetto .....	.75	3.00	5.50	1.50	6.50	12.50

ASPARAGUS ROOTS FOR FORCING.

Extra Large Clumps. \$2.00 per doz.; per 25, \$3.50; 100, \$12.00.				
--	--	--	--	--

	Pkt.	½ oz.	oz.
BALM	\$0.05	\$0.15	\$0.30

BEANS (Wax or Yellow Podded).

	Pkt.	Pt.	Qt.	4 Qt.	Pk.	Bu.
Black or German Wax.....	\$0.10	\$0.20	\$0.35	\$1.20	\$2.00	\$8.00
Currie's Rust-proof Wax....	.10	.20	.35	1.10	2.00	8.00
Davis' White Wax.....	.10	.20	.35	1.10	2.00	8.00
Dwarf Golden Wax (Rust-proof), Michell's Improved	.10	.25	.40	1.50	2.50	10.00
Dwarf Golden Wax (Usual strain) .....	.10	.20	.35	1.20	2.00	8.00
Round-podded Kidney Wax..	.10	.20	.40	1.25	2.25	9.00
Stringless White Wax.....	.10	.20	.35	1.25	2.25	9.00
Sure Crop Stringless Wax..	.10	.30	.50	1.75	3.25	
Valentine Wax.....	.10	.20	.35	1.25	2.25	9.00
Wardwell's Kidney Wax....	.10	.20	.35	1.25	2.25	9.00

BEANS (Dwarf, for Shelling).

Boston Navy.....	.10	.15	.25	.80	1.40	5.25
Broad Windsor.....	.10	.20	.35	1.25	2.00	
Dwarf Horticultural.....	.10	.20	.35	1.10	2.00	8.00
White Kidney.....	.10	.15	.25	.75	1.30	5.25
White Marrowfat.....	.10	.15	.25	.80	1.50	6.00

BEANS, DWARF (Green Podded).

Best of All.....	.10	.15	.30	1.00	1.75	7.00
Black Valentine .....	.10	.20	.35	1.20	2.00	8.00
Early Long Yellow, Six Weeks .....	.10	.15	.25	.90	1.50	6.00
Early Mohawk.....	.10	.15	.25	.90	1.50	6.00
Extra Early Refugee.....	.10	.20	.35	1.25	2.00	8.00
Longfellow .....	.10	.15	.30	1.00	1.75	7.00
Mammoth Stringless or Giant Valentine .....	.10	.20	.35	1.10	2.00	8.00
Red Valentine (Improved)..	.10	.20	.35	1.25	2.00	8.00
Red Valentine (Usual Strain)	.10	.15	.30	1.10	1.75	7.00
Stringless Green (Improved) Pod .....	.10	.25	.40	1.50	2.50	10.00
Stringless Green Pod (Usual Strain) .....	.10	.20	.35	1.25	2.25	9.00
Sion House.....	.10	.35	.60	2.15	3.75	
Triumph of the Frames....	.10	.25	.45	1.60	2.75	11.00

BEANS, POLE LIMA.

	Pkt.	Pt.	Qt.	4 Qt.	Pk.	Bu.
Carpenteria	\$0.10	\$0.25	\$0.45	\$1.50	\$2.50	\$9.00
Dreer's Improved Potato or Challenger .....	.10	.20	.40	1.35	2.50	9.00
Extra Early Jersey.....	.10	.20	.35	1.10	2.00	8.00
Ford's Mammoth Podded...	.10	.20	.35	1.10	2.00	8.00
King of the Garden.....	.10	.15	.30	1.10	2.00	8.00
Michell's Evergreen.....	.15	.35	.60	2.00	3.75	
Michell's Selected Large Jersey .....	.10	.20	.40	1.50	2.75	11.00
Shotwell's Improved.....	.10	.20	.35	1.25	2.00	8.00

BEANS, BUSH LIMA.

	Pkt.	Pt.	Qt.	4 Qt.	Pk.	Bu.
Burpee's Improved Bush....	\$0.10	\$0.20	\$0.40	\$1.50	\$2.75	\$10.50
Burpee's (Old Variety)....	.10	.20	.35	1.10	2.00	8.00
Dreer's .....	.10	.20	.40	1.25	2.25	9.00
Fordhook .....	.10	.25	.45	1.60	3.00	12.00
Henderson's .....	.10	.20	.30	1.00	1.90	7.60
New Wonder.....	.10	.20	.35	1.10	2.00	8.00

BEANS, POLE STRING (not Lima).

Early Golden Cluster Wax..	.10	.20	.40	1.50	2.50	10.00
Horticultural or Speckled Cranberry .....	.10	.15	.30	1.10	2.00	8.00
Kentucky Wonder (Old Homestead) Green Pod...	.10	.20	.35	1.10	2.00	8.00
Lazy Wife's (Green Pod)..	.10	.20	.35	1.25	2.25	9.00
Scarlet Runner (Green Pod)	.10	.20	.35	1.25	2.25	8.50

BEETS.

	Pkt.	½ oz.	oz.	¼ lb.	1 lb.
Arlington Favorite.....	\$0.05	*\$0.10	\$0.15	\$0.50	\$1.50
Bastian's Extra Early.....	.05	*.10	.15	.40	1.40
Bastian's Half Long Blood.....	.05	*.10	.15	.40	1.40
Crimson Globe (Michell's Imp'd)	.05	*.10	.15	.50	1.50
Crosby's Egyptian .....	.05	*.10	.15	.50	1.50
Detroit Dark Red.....	.05	*.10	.15	.50	1.50
Eclipse .....	.05		.10	.35	1.25
Edmands' Blood.....	.05		.10	.35	1.25
Extra Early Bassano.....	.05		.10	.35	1.25
Improved Long Blood.....	.05		.10	.30	1.00
Lentz Early.....	.05		.10	.35	1.25
Swiss Chard Silver Leaved.....	.05		.10	.25	.75
Swiss Chard Giant Lucullus.....	.05	*.10	.15	.40	1.50

BEETS, CATTLE OR MANGELWURZEL.

	Oz.	¼ lb.	1 lb.	5 lb.
Golden Tankard.....	\$0.07	\$0.20	\$0.60	\$2.50
Improved White Imperial.....	.07	.20	.60	2.50
Lane's Impr. White Sugar.....	.07	.20	.60	2.50
Mammoth Long Red.....	.07	.20	.60	2.50
Red Globe.....	.07	.20	.60	2.50
Yellow Globe.....	.07	.20	.60	2.50

BORAGE

	Pkt.	Oz.	¼ lb.
BROCCOLI. White Cape. Large pkt., 10c.....	\$0.05	\$0.15	\$0.30

BRUSSELS SPROUTS.

	Pkt.	½ oz.	oz.	¼ lb.	1 lb.
Matchless Improved. 10c. per large pkt.	\$0.05	\$0.15	\$0.25	\$0.75	\$2.50

BRUSSELS SPROUTS.

Plants (Ready in July). 25 for 20c.; 50c. per 100; per 1000, \$3.50					
---	--	--	--	--	--

CABBAGE.

	Pkt.	½ oz.	Oz.	¼ lb.	1 lb.
All Head.....	\$0.05	\$0.15	\$0.30	\$1.00	\$3.75
All Seasons (Vandergaw).....	.05	.15	.25	.85	3.00
Copenhagen Market.....	.10	.15	.25	.75	2.75
Danish Ballhead (Michell's Impr.)	.10	.15	.30	1.00	3.50
Early Drumhead.....	.05	.15	.25	.75	2.75
Early Flat Dutch.....	.05	*.10	.20	.70	2.50
Early Jersey Wakefield (Improved strain) .....	.10	.20	.35	1.25	4.00
Early Jersey Wakefield (Usual strain) .....	.05	.15	.30	1.00	3.50
Early Winnigstadt .....	.05	*.10	.20	.70	2.50
Henderson Early Summer.....	.05	.15	.25	.85	3.00
Large Charleston Wakefield.....	.05	.15	.30	1.00	3.50
Large Late Drumhead.....	.05	*.10	.20	.70	2.50
Late Flat Dutch.....	.05	.15	.25	.75	2.75
Perfection Drumhead Savoy.....	.05	.15	.25	.75	2.50
Red Dutch Drumhead.....	.05	*.10	.20	.60	2.25
Succession .....	.05	.15	.25	.85	3.25
Volga .....	.10	.15	.25	.85	3.00

CABBAGE PLANTS.

Early sorts from hotbeds.....	\$0.40	\$3.50
From coldframes transplanted.....	.75	6.00
Late Sorts.....	.40	2.75

CARAWAY. Pkt. 5c.; 10c. oz.; ¼ lb., 35c.

CARROTS.

	Pkt.	½ oz.	oz.	¼ lb.	1 lb.
Chantenay Half Long.....	\$0.05	*\$0.10	\$0.15	\$0.40	\$1.25
Danvers Half Long.....	.05	*.10	.15	.40	1.25
Early Half-Long Scarlet.....	.05	*.10	.15	.40	1.25
Early Scarlet Horn.....	.05	*.10	.15	.40	1.25
Guerande or Oxheart.....	.05	*.10	.15	.40	1.25
Improved Long Orange.....	.05	*.10	.15	.40	1.25
Rubicon Half-Long.....	.05	*.10	.15	.40	1.25
Very Early Scarlet Short Horn or French Forcing.....	.05	*.10	.15	.40	1.25
White Belgian.....	.05		.10	.30	1.00

(hc)

Condensed Price-List of Michell's Vegetable Seeds, Plants and Roots

33

*WHERE MARKED UNDER ½ OZ. COLUMN MEANS LARGE SIZE PACKET

	Pkt.	½ oz.	Oz.
CATNIP	\$0.10	\$0.15	\$0.25
CAULIFLOWER.	Pkt. Lge. pkt.	¼ oz.	½ oz. 1 oz.
Algiers	\$0.10	\$0.25	\$0.75
Early Snowball.....	.20	.50	.85 1.50 2.75
Danish Giant.....	.25	.50	1.00 3.50
Half Early Paris.....	.10	.20	.65
Matador .....	.20		
Michell's Earliest Snowstorm.....	.25	.50	1.50 2.50 5.00
Michell's Spec. Strain Sel'td Erfurt .....	.20	.50	.85 1.50 2.75
Veitch's Autumn Giant.....	.10	.20	.65
CAULIFLOWER PLANTS.		Doz.	100
Pot Grown. 5c. each.....		.50	4.00
Spring Plants from hotbed.....		.25	1.50
Wintered over Plants.....		.40	2.00
CELERICAC. Giant Prague.....	\$0.05*	\$0.10	\$0.20 \$0.60
CELERY.			
Early Snowdrift.....	.10	.20	.35 1.25
Dwarf Golden Heart.....	.05	*.10	.20 .60
Far Superior.....	.10	.15	.30 .85
Flavoring (not for Sowing) (30c. lb.)..			.10
Giant Pascal.....	.05	.15	.25 .75
Golden Self-Blanching (French grown)..	.15	.85	1.50 6.00
Magnificent .....	.10	.20	.40 1.25
New Columbia.....	.10	.25	.50 1.75
New York (<i>New</i>).....	.10	.15	.25 .75
Pink Plume.....	.10	.15	.25 .75
White Plume (Michell's Private Stock)..	.10	.20	.35 1.00
White Plume (Regular strain).....	.10	.15	.25 .75
Winter King.....	.10	.20	.40 1.25
Winter Queen.....	.10	.15	.30 1.00
CELERY PLANTS. (<i>Ready in July</i>).....	\$0.50	\$2.25	\$4.00
CHERVIL	\$0.05*	\$0.10	\$0.15 \$0.50 \$1.75
CHICORY.			
Large Rooted or Common.....	.05	.10	.25 .80
Witloof .....	.05	*.10	.15 .40 1.25
CHIVES.			
Seed. 15c. per pkt.; 2 pkts. for 25c.			
Strong Plants. 10c. each; dozen, \$1.00; \$7.00 per 100.			
CITRON, Red Seeded	\$0.05	\$0.10	\$0.25
CORIANDER .....	.05	.10	.35
CORN SALAD (<i>Fetticus</i>). Large Leaved..	.05	.10	.25 \$0.70
CORN, SWEET OR SUGAR.	Pkt. Pt. Qt. 4 Qt. Pk. Bu.		
Adams' Extra Early.....	\$0.10	\$0.15	\$0.25 \$0.90 \$1.25 \$5.00
Aristocrat .....	.10	.20	.35 1.10 1.75 7.00
Black Mexican.....	.10	.15	.25 .75 1.25 5.00
Country Gentleman (<i>Michell's Improved</i>) .....	.10	.20	.35 1.25 2.25 8.00
Country Gentleman (<i>Usual strain</i>) .....	.10	.15	.30 1.00 1.50 6.00
Crosby's Extra Early.....	.10	.15	.25 .75 1.25 5.00
Delicious .....	.10	.20	.40 1.50 2.75 11.00
Early Champion.....	.10	.20	.30 1.00 1.50 6.00
Early Evergreen.....	.10	.15	.25 .75 1.25 5.00
Early Giant Wonder.....	.10	.25	.50 1.75 3.25 12.00
Early Mammoth.....	.10	.15	.25 .90 1.40 5.60
Eastwick .....	.10	.30	.50 1.75
First of All.....	.10	.15	.25 .80 1.35 5.40
Golden Bantam.....	.10	.20	.35 1.25 2.00 8.00
Golden Rod.....	.10	.25	.45 1.40 2.50
Ideal .....	.10	.15	.30 1.00 1.75 7.00
Kendel's Early Giant.....	.10	.15	.25 .90 1.50 6.00
Late Mammoth.....	.10	.15	.25 .75 1.25 5.00
Little Gem or Shoe Peg (<i>Ne plus ultra</i>).....	.10	.15	.30 1.00 1.50 6.00
Metropolitan .....	.10	.15	.30 1.00 1.50 6.00
Peep o' Day.....	.10	.15	.25 .80 1.50 6.00
Premo .....	.10	.15	.30 .90 1.50 6.00
Stabler's Extra Early.....	.10	.15	.25 .90 1.40 5.60
Stowell's Evergreen (<i>Michell's Improved</i>) .....	.10	.20	.35 1.25 2.25 8.00
Stowell's Evergreen (<i>Usual strain</i>) .....	.10	.15	.25 .75 1.25 5.00
Sugar Corn on Ears.....	\$0.10	\$1.00	\$7.00
CORN FOR POPPING.		lb. 3 lbs. 10 lbs.	
White Rice.....	\$0.10	\$0.25	\$0.75
Golden Queen.....	.10	.25	.75

CRESS.	Pkt.	½ oz.	oz.	¼ lb.	1 lb.
Extra Curled or Pepper Grass.....	\$0.05		\$0.10	\$0.20	\$0.50
True Erfurt .....	.10	.20	.30	1.00	
CUCUMBER.	Pkt.	½ oz.	oz.	¼ lb.	1 lb.
Arlington Imp. White Spine.....	\$0.10		\$0.15	\$0.50	\$1.50
Cool and Crisp.....	.05		.10	.30	1.00
Cumberland .....	.05		.10	.30	1.00
Davis Perfect.....	.05	*.10	.15	.35	1.20
Emerald .....	.05	*.10	.15	.40	1.25
Evergreen .....	.05		.10	.30	1.00
Gherkin or Burr.....	.05	*.10	.15	.40	
Improved White Spine.....	.05		.10	.30	1.00
Japanese Climbing.....	.05	*.10	.15	.40	1.25
Jersey Pickle or Green Prolific.....	.05		.10	.30	1.00
Long Green Turkey.....	.05		.10	.30	1.00
CUCUMBER, ENGLISH FRAME					
Lockies Perfection, Sion House. } Pkt., 25c. (100 seeds \$2.00).					
Telegraph, Tender and True. }					
DANDELION.	Pkt.	½ oz.	1 oz.	¼ lb.	
Thick Leaved.....	\$0.05	\$0.20	\$0.40	\$1.25	
DILL .....	.05		.10	.25	
EGG PLANT.					
Black Beauty.....	.10	.25	.45	1.50	
Black Pekin.....	.10	.15	.30	1.00	
Early Long Purple.....	.05	*.10	.20	.65	
Michell's New York Improved.....	.10	.20	.40	1.25	
EGG PLANT PLANTS (Pot Grown). 50c. doz.; per 100, \$4.00.					
ENDIVE.	Pkt.	½ oz.	oz.	¼ lb.	1 lb.
Broad Leaved Batavian (<i>Escarolle</i>).....	\$0.05*	\$0.10	\$0.15	\$0.50	\$1.50
Giant Fringed.....	.05	.15	.25	.75	2.50
Improved Green Curled.....	.05	*.10	.15	.50	1.50
White Curled (<i>Self-Blanching</i>)....	.05	*.10	.20	.50	1.50
FENNEL .....	.05		.10	.30	1.00
GARLIC SETS. (5 lbs., \$1.25).....					.30
HOP VINE.				Pkt. Oz.	
Plants. Dozen, \$1.50; \$10.00 per 100.					
Seeds			\$0.10	\$0.30	
HOREHOUND	Pkt.	½ oz.	Oz.		
HORSERADISH ROOTS.				Doz.	100 1000
Maliner Kren.....	\$0.25	\$0.75	\$6.00		
Regular .....	.15	.50	4.00		
KALE.	Pkt.	½ oz.	oz.	¼ lb.	1 lb.
Dwarf German Green Curled.....	\$0.05		\$0.10	\$0.25	\$0.80
Dwarf Green Scotch.....	.05		.10	.30	.80
Imperial Long Standing.....	.05		.10	.30	.90
Sea Kale.....	.10	\$0.15	.25		
KOHL RABI.	Pkt.	½ oz.	1 oz.	¼ lb.	
Blue or Purple Vienna.....	\$0.05*	\$0.10	\$0.20	\$0.60	
Early White Vienna.....	.05	.15	.25	.65	
Earliest White Erfurt.....	.10	.15	.30	.85	
LAVENDER.					
Plants. 10c. each; dozen, \$1.00; \$6.00 per 100.					
Seeds .....	.05	*.10	.20		
LEEK.	Pkt.	½ oz.	Oz.	¼ lb.	1 lb.
Giant Carentan.....	\$0.05	\$0.15	\$0.25	\$0.65	\$2.00
Large Musselburg.....	.05	*.10	.20	.50	1.60
London Flag.....	.05	*.10	.20	.50	1.60
LETTUCE.					
All Heart.....	.10	.15	.25	.75	2.25
Big Boston.....	.05	*.10	.20	.60	2.00
Black Seeded Simpson.....	.05	*.10	.15	.50	1.50
Boston Market.....	.05	*.10	.20	.50	1.50
Cabbage Head Giant.....	.10	.15	.25	.80	2.75
California Cream Butter.....	.05	*.10	.15	.40	1.25
Davy's Improved Big Boston.....	.10	.20	.40	1.25	
Emperor Forcing.....	.05	*.10	.20	.50	1.60
Early Cabbage or White Butter....	.05	*.10	.15	.45	1.50
Early Curled Simpson.....	.05	*.10	.15	.45	1.50
Golden Queen.....	.05	*.10	.20	.50	
Grand Rapids.....	.05	*.10	.20	.50	1.50
Hanson Improved.....	.05	*.10	.20	.50	1.50
Iceberg .....	.05	.10	.15	.45	
Kingsholm Cos.....	.05	*.10	.20	.50	1.50
Mammoth Salamander.....	.05	*.10	.20	.50	1.75
May King .....	.05	*.10	.20	.60	2.00
Michell's All Right.....	.10	.15	.25	.75	2.50
Michell's Number One.....	.10	.15	.30	1.00	3.00
Michell's Spotted Dutch Butter					
(<i>Private Stock</i>) .....	.10	.15	.30	1.00	2.50
Michell's Spotted Dutch Butter					
(<i>Usual strain</i>).....	.05	*.10	.20	.50	1.50
				(hc)	

Condensed Price-List of Michell's Vegetable Seeds, Plants and Roots

*WHERE MARKED UNDER ½ OZ. COLUMN MEANS LARGE SIZE PACKET

LETTUCE—Continued

	Pkt.	½ oz.	Oz.	¼ lb.	lb.
Oak Leaved.....	\$0.05*	\$0.10	\$0.20	\$0.60	\$1.50
Sensation .....	.05	*.10	.20	.50	1.75
Silesian .....	.05	*.10	.15	.45	1.50
Silver Ball.....	.05	*.10	.20	.50	1.50
Ternisball, Black Seeded.....	.05	*.10	.20	.50	1.50
“ White Seeded.....	.05	*.10	.20	.50	1.50
Trianon Self-Folding Cos.....	.05	*.10	.20	.50	1.50
Unrivald .....	.05	*.10	.20	.60	2.00
Wonderful .....	.05	*.10	.20	.50	1.75

LETTUCE PLANTS. 40c. per 100; per 1000, \$3.00.

MANGO MELON. 10c pkt.; oz., 20c.; 60c. ¼ lb.

MARTYNIA.

	Pkt.	½ oz.	1 oz.	¼ lb.
Proboscidea	\$0.05	\$0.15	\$0.25	\$0.75

MINT.

Plants. 10c. each; dozen, \$1.00; \$6.00 per 100.
Seeds. Pkt., 25c.

MUSK MELONS FOR FORCING.

	Pkt.
Blenheim Orange.....	\$0.25
Invincible Scarlet.....	.25
Sutton's Al.....	.50
Windsor Castle.....	.25

MUSK MELON OR CANTALOUPE.

	Pkt.	½ oz.	Oz.	¼ lb.	lb.
Burrel Gem.....	\$0.05*	\$0.10	\$0.15	\$0.40	\$1.25
Delicious .....	.15	.30	.60	2.00	
Emerald Gem.....	.05	*.10	.15	.40	1.25
Extra Early Hackensack.....	.05		.10	.30	1.00
Fordhook .....	.05	*.10	.15	.40	1.25
Defender .....	.05	*.10	.15	.40	1.25
Eden Gem.....	.05	*.10	.15	.50	1.50
Golden West.....	.10	.15	.30	1.00	
Hoodoo .....	.05	*.10	.15	.40	1.25
Citron (Red Seeded).....	.05	.10		.25	.60
Golden Jenny.....	.05	.10		.30	1.00
Jenny Lind .....	.05	.10		.30	1.00
Rockyford (Improved).....	.05	*.10	.15	.50	1.25

MELON (Water).

	Pkt.	1 oz.	¼ lb.	lb.
Black Boulder.....	\$0.05	\$0.10	\$0.25	\$0.70
Cuban Queen.....	.05	.10	.25	.80
Dark Icing.....	.05	.10	.25	.70
Dixie .....	.05	.10	.25	.70
Florida Favorite.....	.05	.10	.25	.70
Halbert Honey.....	.05	.10	.30	.90
Kleckley Sweets.....	.05	.10	.25	.75
Light Icing.....	.05	.10	.25	.80
Mountain Sweet.....	.05	.10	.25	.80
Sweet Heart.....	.05	.10	.20	.70
Tom Watson.....	.10	.15	.40	1.50

MUSTARD.

	Oz.	¼ lb.	1 lb.
White or Yellow.....	\$0.05	\$0.15	\$0.40

OKRA OR GUMBO.

	Pkt.	Oz.	¼ lb.	lb.
Dwarf Green Improved.....	\$0.05	\$0.10	\$0.20	\$0.60
Perkins' Long Pod.....	.05	.10	.25	.70
White Velvet.....	.05	.10	.20	.60

ONION.

	Pkt.	½ oz.	Oz.	¼ lb.	lb.
Ailsa Craig.....	\$0.10	\$0.20	\$0.35	\$1.00	\$3.50
Bermuda White.....	.10	.15	.25	.75	2.75
Bermuda Red.....	.10	.15	.25	.75	2.75
Danver's Yellow Globe.....	.05	*.10	.20	.60	2.00
Large Red Wethersfield.....	.05	*.10	.15	.40	1.50
Prizetaker .....	.05	*.10	.20	.60	2.00
Southport Red Globe.....	.05	*.10	.20	.60	2.25
Southport White Globe.....	.05	.15	.30	.80	3.00
Southport Yellow Globe.....	.05	*.10	.20	.60	2.00
White Barletta.....	.05	.15	.25	.70	2.50
White or Silverskin.....	.05	.15	.25	.70	2.50
Yellow Strasburg.....	.05	*.10	.15	.40	1.50

ONION SETS.

	Pt.	Qt.	4 Qt.	Pk.	Bu.
Garlic Sets. (30c. lb.).....					
Potato Onion.....	\$0.15	\$0.25	\$0.90	\$1.50	\$5.75
Red .....	.13	.25	.90	1.50	5.75
Shallots .....	.15	.30	1.10	2.00	6.00
Tree or Top. (Ready in September.)					
White .....	.13	.25	.90	1.50	5.75
White Multiplier.....	.15	.25	.90	1.50	5.75
Yellow .....	.10	.20	.70	1.25	4.25

PARSLEY.

	Pkt.	½ oz.	Oz.	¼ lb.	1 lb.
Champion Moss Curled.....	\$0.05		\$0.10	\$0.35	\$1.25
Double Curled or Covent Garden..	.05*	\$0.10	.15	.40	1.50
Hamburg or Rooted.....	.05	*.10	.15	.50	1.50

PARSLEY PLANTS. 50c. per dozen; \$4.00 per 100.

PARSNIP.

	Pkt.	1 oz.	¼ lb.	1 lb.
Guernsey or Student.....	\$0.05	\$0.10	\$0.25	\$0.75
Improved Sugar or Hollow Crown.....	.05	.10	.25	.75

PEAS.

	Pkt.	Pt.	Qt.	4 Qt.	Pk.
Alaska	\$0.10	\$0.20	\$0.35	\$1.25	\$2.00
Alderman .....	.10	.20	.35	1.25	2.25
Ameer .....	.10	.20	.40	1.40	2.50
American Wonder.....	.10	.20	.35	1.25	2.25
Black Eye Marrowfat.....	.10	.15	.25	.90	1.50
Bliss Abundance.....	.10	.15	.30	1.00	1.80
Bountiful .....	.10	.20	.35	1.25	2.25
Champion of England.....	.10	.15	.30	1.10	1.75
Daisy or Dwarf Telephone.....	.10	.20	.35	1.25	2.25
Dandy Extra Early.....	.10	.20	.40	1.50	2.75
Dwarf Champion.....	.10	.20	.35	1.25	2.25
Dwarf Sugar.....	.10	.20	.40	1.50	2.75
Early June .....	.10	.20	.35	1.25	2.00
Early Morn.....	.10	.20	.40	1.40	2.75
Eureka .....	.10	.15	.30	1.10	2.00
Fillbasket .....	.10	.15	.30	1.10	2.00
Gradus .....	.10	.25	.50	1.75	3.00
Harvester .....	.10	.35	.60	2.20	4.00
Heroine .....	.10	.20	.35	1.25	2.25
Laxtonian .....	.10	.20	.40	1.40	2.50
Little Marvel.....	.10	.20	.40	1.40	2.50
Long Island Mammoth.....	.10	.20	.35	1.25	2.25
Melting Sugar.....	.10	.20	.40	1.50	2.75
Michell's Special Extra Early.....	.10	.25	.50	1.75	3.25
Nott's Excelsior (Improved strain)	.10	.25	.45	1.50	2.75
Nott's Excelsior (Usual strain)....	.10	.20	.35	1.20	2.25
Pride of the Market.....	.10	.20	.35	1.15	2.00
Premium Gem (or McLean's Little Gem) .....	.10	.20	.35	1.25	2.25
Quite Content.....	.10	.25	.45	1.50	2.75
Saxonia .....	.10	.25	.40	1.50	2.75
Stratagem Improved.....	.10	.20	.35	1.25	2.25
Sutton's Excelsior.....	.10	.25	.40	1.40	2.25
Telephone (Tall).....	.10	.20	.35	1.15	2.00
Thos. Laxton.....	.10	.25	.45	1.50	2.75
White Marrowfat.....	.10	.15	.25	.90	1.50

PEANUTS \$0.15 \$0.25 \$0.50 \$0.75

PEPPER.

	Pkt.	½ oz.	1 oz.	¼ lb.
Cayenne	\$0.05	\$0.15	\$0.25	\$0.80
Celestial .....	.05	.15	.25	.80
Chinese Giant.....	.10	.30	.50	1.50
Golden Dawn.....	.05	.15	.25	.80
Hot Bull Nose.....	.05	.15	.30	1.00
Large Bell or Bull Nose.....	.05	.15	.30	1.00
Large Sweet Spanish.....	.05	.15	.25	.80
Neapolitan .....	.10	.20	.35	1.00
New Apple. 3 pkts. for 25c.....	.10			
Red Cherry.....	.05	.15	.25	.85
Ruby Giant.....	.10	.25	.40	1.25
Ruby King.....	.05	.15	.30	.90
Small Chili.....	.05	.15	.25	.85

PEPPER PLANTS. Pot Grown. 50c. doz.; 100, \$4.00.

Hot Bed. 20c. doz.; per 100, \$1.25.

POTATOES. Larger quantities quoted on application.

	½ Pk.	Pk.
Beauty of Hebron.....	\$0.30	\$0.50
Beats Them All.....	.40	.75
Bliss Triumph or Red Bliss.....	.30	.50
Bovee .....	.30	.50
Carman No. 3.....	.30	.50
Early Ohio.....	.30	.50
Early Rose.....	.30	.50
Early Standard.....	.35	.60
Green Mountain.....	.30	.50
Irish Cobbler.....	.30	.50
Noroton Beauty.....	.40	.65
Sir Walter Raleigh.....	.30	.50
State of Maine.....	.30	.50
White Star.....	.30	.50

(hc)

Condensed Price-List of Michell's Vegetable Seeds, Plants and Roots

35

*WHERE MARKED UNDER ½ OZ. COLUMN MEANS LARGE SIZE PACKET

	Pkt.	½ oz.	Oz.	
POT MARIGOLD	\$0.05	\$0.10	\$0.15	
PUMPKIN.	Pkt.	Oz.	¼ lb.	1 lb.
Cashaw or Golden Crook Neck.....	\$0.05	\$0.10	\$0.30	\$1.00
Connecticut or Common Field.....	.05	.10	.15	.50
Large Cheese.....	.05	.10	.25	.85
Large Tours or Mammoth.....	.05	.10	.30	1.00
Japanese Pie.....	.05	.10	.30	1.00
Tennessee Sweet Potato.....	.05	.10	.25	.85
Winter Luxury.....	.05	.10	.30	1.00
RADISH.	Pkt.	½ oz.	Oz.	¼ lb. 1 lb.
Beckert's Chartier (Long).....	\$0.05	\$0.10	\$0.30	\$0.75
Brightest Scarlet, Half Long.....	.05	.10	.20	.60
California White Winter.....	.05	.10	.25	.75
Cardinal Globe.....	.05	*.10	.15	.35 1.25
Cardinal Globe (Improved).....	.05	*.10	.20	.50 1.50
Celestial or White Chinese.....	.05	.10	.30	1.00
China Rose.....	.05	.10	.25	.70
Crimson Giant.....	.05	*.10	.15	.35 1.00
Early French Breakfast.....	.05	.10	.30	.85
Fireball.....	.05	.10	.30	.85
Golden Olive Shaped Yellow.....	.05	.10	.20	.65
Half Long Black.....	.05	.10	.30	1.00
Icicle.....	.05	.10	.30	.85
Icicle (Improved strain).....	.05	*.10	.15	.40 1.25
Large White Summer.....	.05	.10	.20	.60
Long Black Spanish.....	.05	.10	.25	.75
Long Scarlet Short Top or Salmon.....	.05	.10	.25	.80
Long White Lady Finger.....	.05	.10	.25	.75
Round Red Forcing or Button.....	.05	.10	.30	.85
Round Black Spanish.....	.05	.10	.25	.75
Round White Forcing or Turnip... ..	.05	.10	.30	.85
White Box, Felton's (Private stock).....	.05	*.10	.15	.30 1.00
White Box, Philadelphia Grown... ..	.05	.10	.25	.75
White Strasburg.....	.05	.10	.20	.70
RHUBARB.				
Victoria.....	.05	.15	.40	1.25
RHUBARB ROOTS.	Each	Doz.	per 25	100
Large Clumps.....	\$0.10	\$1.00		\$6.00
Extra Large Clumps for forcing.....	.25	\$2.50	4.25	15.00
ROSEMARY	Pkt.	½ oz.	Oz.	
RUTA-BAGA.	Pkt.	½ oz.	1 oz.	¼ lb. 1 lb. 5 lb.
Purple Top Yellow (Private Stock).....	\$0.05*	\$0.10	\$0.15	\$0.35 \$1.25 \$5.00
Improved Purple Top Yellow.....	.05	.10	.25	.75 3.00
SAFFRON	Pkt.	Oz.		
SAGE.	Pkt.	½ oz.	Oz.	Each Doz. 100
Plants.....				\$0.10 \$1.00 \$6.00
Seeds.....	\$0.05*	\$0.10	\$0.15	
SALSIFY.	Pkt.	½ oz.	Oz.	¼ lb. 1 lb.
Long White.....	\$0.05	\$0.10	\$0.35	\$1.25
Mammoth Sandwich Island.....	.05	*.10	.15	.50 1.50
SHALLOTS	Pt.	Qt.	4 Qt.	Pk.
	\$0.15	\$0.30	\$1.10	\$2.00
SORREL	Pkt.	½ oz.	1 oz.	¼ lb. 1 lb.
	\$0.05*	\$0.10	\$0.15	\$0.40 \$1.25
SPINACH.	Pkt.	Oz.	¼ lb.	1 lb. 5 lbs.
Bloomsdale Rd. Savoy (Improved).....	\$0.05	\$0.10	\$0.20	\$0.50 \$2.00
Bloomsdale (Usual).....	.05	.15	.40	1.75
Garden Giant.....	.05	.10	.25	.60
Long Season.....	.05	.10	.20	.50 2.25
New Zealand.....	.05	.10	.30	1.00
Victoria Long Standing.....	.05	.15	.40	1.75
SQUASH.	Pkt.	½ oz.	1 oz.	¼ lb. 1 lb.
Boston Marrow.....	\$0.05	\$0.10	\$0.30	\$0.90
Delicious.....	.05	*.10	.15	.35 1.00
Golden Custard.....	.05	.10	.25	.85
Mammoth White Bush.....	.05	.10	.25	.85
Golden Hubbard.....	.05	*.10	.15	.35 1.00
Vegetable Marrow.....	.05	.10	.35	1.00
Yellow Summer Crookneck.....	.05	.10	.25	.80
SUMMER SAVORY	Pkt.	½ oz.	Oz.	
	\$0.05*	\$0.10	\$0.15	
SWEET BASIL.....	.05	*.10	.15	
SWISS CHARD.	Pkt.	1 oz.	¼ lb.	1 lb.
Giant Lucullus.....	\$0.05	\$0.15	\$0.40	\$1.50
Silver Leaved.....	.05	.10	.25	.75

SWEET MARJORAM.	Pkt.	½ oz.	Oz.	
American Strain.....	\$0.10	\$0.20	\$0.40	
Imported Strain.....	.05	.20	.20	
TARRAGON PLANTS	Each	Doz.	100	
	\$0.25	\$2.50	\$17.50	
THYME.	Pkt.	½ oz.	Oz.	Each Doz. 100
Plants.....	\$0.10	\$1.00	\$6.00	
Seeds.....	\$0.05	\$0.30	\$0.50	
TOBACCO.	Pkt.	½ oz.	Oz.	
Connecticut.....	\$0.10	\$0.15	\$0.25	
Havana.....	.10	.20	.40	
Pennsylvania.....	.10	.15	.25	
TOMATOES.	Pkt.	½ oz.	Oz.	¼ lb. 1 lb.
Best of All (Sutton's).....	\$0.10	\$0.25	\$0.50	\$1.75
Beauty.....	.05	*.10	.20	.60 2.00
Bonny Best.....	.10	.20	.40	1.50
Comet.....	.10	.25	.45	1.25
Crackerjack. (3 pkts. for 50c.)....	.20	.60	1.00	3.50
Dwarf Champion.....	.05	.15	.25	.70 2.25
Dwarf Stone.....	.10	.15	.30	.80 3.00
Dwarf Giant.....	.10	.20	.40	1.25
Earliana.....	.10	.15	.25	.75 2.50
Early Jewel (Chalk's).....	.10	.20	.35	1.00 3.50
Frogmore Select.....	.10	.20	.40	1.25
Golden Queen.....	.10	.15	.30	1.00 3.25
Greater Baltimore.....	.10	.20	.40	1.25
Improved Globe.....	.10	.20	.40	1.25
June Pink.....	.10	.15	.30	.85 3.00
Livingston Globe.....	.10	.15	.25	.85
Matchless.....	.05	.15	.25	.85 2.75
Michell's Very First.....	.10	.25	.50	1.75
Ponderosa.....	.10	.15	.30	1.10 4.00
Red Cherry.....	.05	.15	.25	.75 2.50
Red Peach.....	.05	.15	.25	.85
Red Rock.....	.10	.15	.30	1.00
Stirling Castle.....	.10	.20	.40	1.25
Stone (Michell's Private Stock)....	.10	.20	.40	1.25 4.00
Stone (Usual).....	.05	.15	.25	.85 3.00
Strawberry or Husk.....	.05	.15	.25	.85 2.75
Sutton's Eclipse. (3 pkts., \$1.25) ..	.50			
Yellow Pear or Plum.....	.05	.15	.25	.75 2.50
TOMATO PLANTS.	Doz.	100	1000	
Crackerjack (Pot Grown).....	\$0.75	\$5.50		
Hotbed Grown.....	.20	1.25	\$7.50	
Pot Grown (Standard Sorts).....	.50	4.00	37.50	
TURNIP.	Pkt.	Oz.	¼ lb.	1 lb.
Aberdeen.....	\$0.05	\$0.10	\$0.20	\$0.60
Cowhorn.....	.05	.10	.20	.60
Early Purple Top Flat.....	.05	.10	.20	.60
Early White Flat Dutch.....	.05	.10	.20	.50
Purple Top White Globe.....	.05	.10	.25	.75
Purple Top White Globe (Private Stock).....	.05	.15	.35	1.00
Robertson's Golden Ball.....	.05	.10	.20	.50
Snowball.....	.05	.10	.20	.60
White Milan.....	.05	.10	.25	.85
Yellow Globe or Amber.....	.05	.10	.20	.60
Ruta Baga, Purple Top Yellow (Private Stock).....	.05	*.10	.15	.35 1.25 5.00
Ruta Baga, Imp'd P. T. Yellow.....	.05	.10	.25	.75 3.00
WORMWOOD	Pkt.	½ oz.	Oz.	
	\$0.05	\$0.15	\$0.25	

SPECIAL ATTENTION

In making up your order of Vegetable Seeds, be sure and include some of those sorts for which are offered prizes as per schedule on Page 9. **MICHELL'S** Sixth Annual Exhibit of Dahlias and Vegetables will be held in our mammoth Show Rooms on September 24, 25, 26, 27, 1914.

MICHELL'S "DISTINCTIVE" VEGETABLE SEEDS

ASPARAGUS (Sow 5 lbs. per acre, or 1 oz. to a 50 ft. row.)

This can be grown from seeds or roots, the latter preferred. Seed should be sown thinly in early spring in rows 1 ft. apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed, from where it can be cut three years later. "Michell's Booklet on Asparagus Culture" gives full information and is mailed free, or included in orders if asked for.

Michell's Giant Argenteuil (*Special Strain*).

Of all the varieties that we have extensively tried, this has been found to excel, both from a point of productiveness, tenderness, earliness and resistance to diseases. In size it is a giant, a marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, pure white, with a greenish purple tip. Pkt. 10c., 20c. per oz., ¼ lb. 40c., \$1.25 per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	\$1.00	\$4.00	\$7.50
" 3 "	1.75	7.50	15.00

Barr's Mammoth. A variety producing heavy, stout spears of delicious flavor; the growth remains green when cooked; a very popular sort. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	\$0.75	\$3.00	\$5.50
" 3 "	1.50	6.50	12.50

Columbian Mammoth White. Large, handsome type producing pure white spears; a very tender variety, suitable for canning. Pkt. 5c., 10c. oz., ¼ lb. 25c., 85c. per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	\$0.75	\$3.00	\$5.50
" 3 "	1.50	6.50	12.50

Conover's Colossal. A large, prolific sort similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt. 5c., 10c. oz., ¼ lb. 20c., 50c. per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	\$0.75	\$3.00	\$5.50
" 3 "	1.50	6.50	12.50

Palmetto or Eclipse. One of the earliest, producing uniform stalks, prolific and finely flavored; color, green. Pkt. 5c., 10c. oz., ¼ lb. 20c., 50c. lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	\$0.75	\$3.00	\$5.50
" 3 "	1.50	6.50	12.50

ASPARAGUS ROOTS

Procurable from October 15th to May 15th.

Two and three-year-old, see prices under respective varieties above.

Giant Forcing Asparagus Roots. (Extra large clumps.) \$2.00 per doz., per 25 \$3.50, 100, \$12.00.



Michell's Giant Argenteuil Asparagus

For Asparagus Growing Accessories see opposite page



Green Globe Artichoke

Green Globe. Pkt. 5c., 15c. $\frac{1}{2}$ oz., 1 oz. 30c., \$1.00 per $\frac{1}{4}$ lb.
Ask for Special Leaflet No. 101 on Artichoke Culture.

ARTICHOKE PLANTS (Green Globe) (Ready in April)

We grow a large stock of these, for those who do not care to bother with them from seed, thus they can be assured of an early crop. The cultural and cooking method is fully explained in Leaflet No. 101. \$1.50 per doz., 25 for \$2.50, \$10.00 per 100 (by express only).

ARTICHOKE ROOTS (Jerusalem) (Ready in April)

Sometimes called the American Artichoke, used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. Cultural and cooking method is fully explained in Leaflet No. 101. 15c. qt., peck 75c., \$2.50 per bu.

ANISE HERB (Annual, not Hardy)

Frequently used for flavoring and medicinal purposes. Cultural directions for this and other herbs is given in Leaflet No. 113. Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 35c.

BALM HERB (Annual, not Hardy)

Leaves are used for making wine, tea, etc. As a food for bees the flowers are invaluable. Cultural directions are given in Leaflet No. 113. Pkt. 5c. and 10c., 30c. per oz.

ARTICHOKE (French)

1 Ounce will produce 500 plants.

Sow seeds in January in greenhouse or in hotbeds in March or outdoors in May, if sown outdoors transplant when large enough in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter with leaves or straw.

BORAGE HERB (Annual, not Hardy)

The leaves are used principally for mixing with salads and for flavoring, bees also thrive on the bloom, which is rich in honey. Culture is given in Leaflet No. 101. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 35c.

BROCCOLI One Ounce will Produce 3000 Plants

A vegetable much resembling cauliflower and often grown where the latter does not thrive. The cultural method is much like that for cauliflower planted outdoors, which is given in Leaflet No. 108.

White Cape. Pkt. 5c. and 10c., 15c. $\frac{1}{2}$ oz., oz. 30c., \$1.00 $\frac{1}{4}$ lb.



Brussels Sprouts

BRUSSELS SPROUTS

One Ounce will produce 3000 Plants

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost. For Complete cultural method ask for Leaflet No. 105.

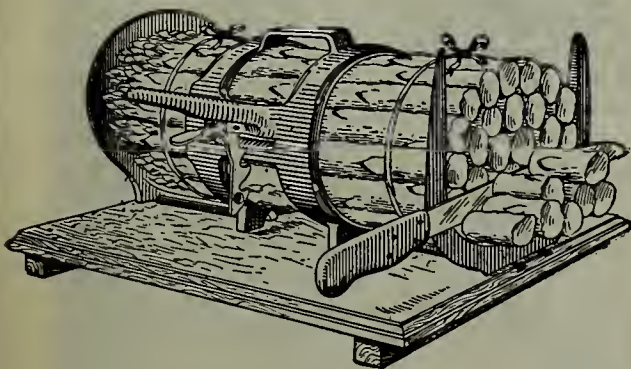
Matchless Improved. Pkt. 5c. and 10c., 15c. per $\frac{1}{2}$ oz., oz. 25c., 75c. per $\frac{1}{4}$ lb., lb. \$2.50.

BRUSSELS SPROUTS PLANTS (Ready in July)

25 for 20c., 50c. per 100 (by mail 65c.), per 1000 \$3.50.

ACCESSORIES FOR ASPARAGUS CULTURE

It is well to have the necessary equipment when growing this luscious article, whether used for home consumption or market, it is more valuable when properly cut, bunched and tied.



ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$1.75.

BOOKS ON ASPARAGUS

By Hexamer, 50c. per copy.

By Michell, 10c. per copy.

The latter book included free with all seed orders where asked for.



ASPARAGUS KNIVES

Bateman's (see cut) \$0.35
American. V-shaped blade45

RAFFEA (Tying Grass)

The ideal material for tying asparagus bunches in a neat and economical manner.

	$\frac{1}{4}$ lb.	Lb.	5 lb.
Natural	..... \$0.05	\$0.20	\$0.90
Colored in various shades	.15	.50	2.25

RAFFEATAPE

A linen and paper composition, in bolts of 250 yards; color, Nile green. Per bolt 75c., 6 for \$4.25.

JUTE TWINES

Very soft and pliable, 2-, 3- and 5-ply. 15c. per large ball, lb. 25c.

ASPARAGUS TAPE

Fast red, water-proof, in 1000-yd spools, \$2.25 each.

ASPARAGUS SALT (Agricultural)

Applied in the spring for destroying weeds; 600 to 800 lbs. per acre. \$1.00 per 100 lbs., 200 lbs. \$1.50, \$10.00 per ton.

ASPARAGUS FERTILIZER

Compounded after a formula recommended by the Department of Agriculture; apply 600 lbs. per acre. \$2.25 per 100 lbs., 200 lbs. \$4.25, \$37.50 per ton.

Cultural Leaflets, as noted, are distributed Free. Ask for them by number



Getting Michell's (Improved Strain) Stringless Green Pod Beans ready for Market

DWARF GARDEN BEANS (Green Podded)

Plant $1\frac{1}{2}$ Bushels per acre. If desired by mail add 8c. per Pint, 15c. per qt. for postage

Sow in rows 2 feet apart, using about 1 quart to every 100 feet of drill, keep the soil well stirred between the rows. Plant when all danger of frost is past in succession once every week until 8 weeks before frost. Cultural Leaflet No. 103 is very explicit on bean growing; ask for a free copy.

ALL VARIETIES 10c. PER LARGE PKT. POSTPAID

Michell's Improved Strain of Stringless Green Pod. This strain is without doubt the most tender string bean in cultivation, even when the pod has become quite old it still retains its stringless qualities; that, however, is not the only thing in its favor, it recommends itself through its extreme earliness, prolific and continuous bearing qualities and superior flavor. This variety can be planted successively through the entire season; its handsome round pods often seven inches long delight the eye of any housewife; they fairly melt in your mouth. The leading sort for the home or market garden. Pt. 25c., 40c. qt., 4 qts. \$1.50, \$2.50 per peck, bushel \$10.00.

Stringless Green Pod (Usual Strain). While this is a good type, the Improved Strain offered above is worth the difference. Pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.25 per peck, \$9.00 bushel.

Michell's Improved Red Valentine. A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50 days. It can withstand early slight frosts without injury; its foliage is immense, it always produces a heavy crop of long round deep colored pods, which if wanted in a tender stage should be picked while young, in this condition they are absolutely stringless. On account of its prolific habit, and large pod, it is desirable for market purposes, while for the home garden few can equal it. Pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.00 per peck, bushel \$8.00.

Red Valentine (Usual Strain). This is the old-fashioned favorite, from which the above is a distinct selection. 15c. pt., qt. 30c., \$1.10 per 4 qts., peck \$1.75, \$7.00 per bushel.

FARMOGERM (Nitrogen Gathering Bacteria)

This wonderful preparation will revolutionize your bean crop, both in quantity and length of bearing time. Use according to directions and always mention the crop for which it is wanted. 50c. bottle (postpaid). (See page 31 for particulars.)

All Cultural directions as given apply to the latitude of Philadelphia.



DWARF GARDEN BEANS, Green Podded Varieties—Continued

Large Packets of Beans, all varieties, 10c. postpaid

Best of All. A highly desirable sort for private garden use, the pods are long, set early and yield in great abundance; very tender. Per pt. 15c., 30c. per qt., 4 qts. \$1.00, \$1.75 per peck, per bu. \$7.00.

Black Valentine. Pods very long and slender, round and well flavored. Per pt. 20c., 35c. per qt., 4 qts. \$1.20, \$2.00 per peck, bu. \$8.00.

Early Long Yellow Six Weeks. The word yellow refers to the seed only, pod flat, very early, tender and long. Per pt. 15c., 25c. per qt., 4 qts. 90c., \$1.50 per peck, per bu. \$6.00.

Early Mohawk. This variety can be planted before any other sort, being quite hardy, large cropper, flat pod. Per pt. 15c., 25c. per qt., 4 qts. 90c., \$1.50 per peck, per bu. \$6.00.

Extra Early Refugee. An extremely early, fleshy, round-pod variety. 20c. per pt., per qt. 35c., \$1.25 per 4 qts., per peck, \$2.00, \$8.00 per bu.

Mammoth Stringless or Giant Valentine. An improvement on Burpee's Stringless Green Pod and, while not so prolific, makes a much larger pod. Per pt. 20c., 35c. per qt., 4 qts. \$1.20, \$2.00 per peck, bu. \$8.00.

Triumph of the Frames. For forcing this is especially desirable, the pods are round, thin and tender but very long. It is also desirable for outdoor planting. Per pt. 25c., 45c. per qt., 4 qts. \$1.60, \$2.75 per pk., bu. \$11.00.

Longfellow. A splendid green string bean, with extra long well-formed pods; tender, early and delicious; very prolific and profitable to grow. 15c. pt., qt. 30c., \$1.00 per 4 qts., peck \$1.75, \$7.00 per bu.

Sion House. A round-podded sort, suited to forcing. A great producer excellent also for sowing outdoors. 35c. per pt., per qt. 60c., \$2.15 per 4 qts., peck \$3.75.

DWARF BEANS FOR SHELLING (Winter Use)

If there is any vacant space in the garden it always pays to plant some of these varieties for soups, baked beans, etc.; they are grand. They can be used in the green state like other sorts, but for the first-named purpose they are best.

Boston Navy or Pea. For soup and baking purposes. Per pt. 15c., 25c. per qt., 4 qts. 80c., \$1.40 per peck, bu. \$5.25.

Broad Windsor. An English bean used in the dry state shelled, plant in rows about 3 feet apart, about 8 inches apart in the row. 20c. per pt., per qt. 35c., \$1.25 per 4 qts., \$2.00 per peck.

White Kidney or Royal Dwarf. Per pt. 15c., 25c. per qt., 4 qts. 75c., \$1.30 per pk., per bu. \$5.25.

White Marrowfat. 15c. per pt., per qt. 25c., 80c. for 4 qts., per peck \$1.50, \$6.00 per bu.

Dwarf Horticultural. One of the best shell beans grown, the pods are colored red and green, the bean is large, round and speckled. Pt. 20c., qt. 35c., \$1.10 per 4 qts., peck \$2.00, \$8.00 per bu.

WAX OR YELLOW PODDED BEANS

These should not be planted quite as early as the green varieties, they being more tender are liable to rot.

Michell's Improved Strain Dwarf Golden Wax (Rust Proof)

This type far surpasses the old favorite in many points; the plants are very vigorous and thereby rust-resisting. Pods are formed quite early and in great profusion. The handsome masses of golden beans are very uniform, being broad, thick and almost solid flesh, exceedingly tender and brittle, with no coarse or fibrous growth during any period of development. 25c. pt., qt. 40c., \$1.50 per 4 qts. peck \$2.50, \$10.00 bu.

Dwarf Golden Wax Rust Proof (Usual Strain). Pt. 20c., 35c. per qt., 4 qts. \$1.20, \$2.00 per pk., bu. \$8.00.

Black or German Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early and desirable. Per pt. 20c., 35c. per qt., 4 qts. \$1.20, \$2.00 per peck, per bu. \$8.00.

Stringless White Wax. A very hardy variety for early planting, makes a beautiful pod almost pure white. Pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 peck, bu. \$9.00.

Currie's Rust-Proof Wax. An improved type; a tremendous yielder with long flat pods. Per pt. 20c., 35c. qt., 4 qts. \$1.10, \$2.00 peck, bu. \$8.00.

Sure Crop Stringless Wax. A sure producer, regardless of conditions. Rich golden yellow pods, practically rust proof. Very early and desirable. Pt. 30c., 50c. qt., 4 qts. \$1.75, \$3.25 per peck.

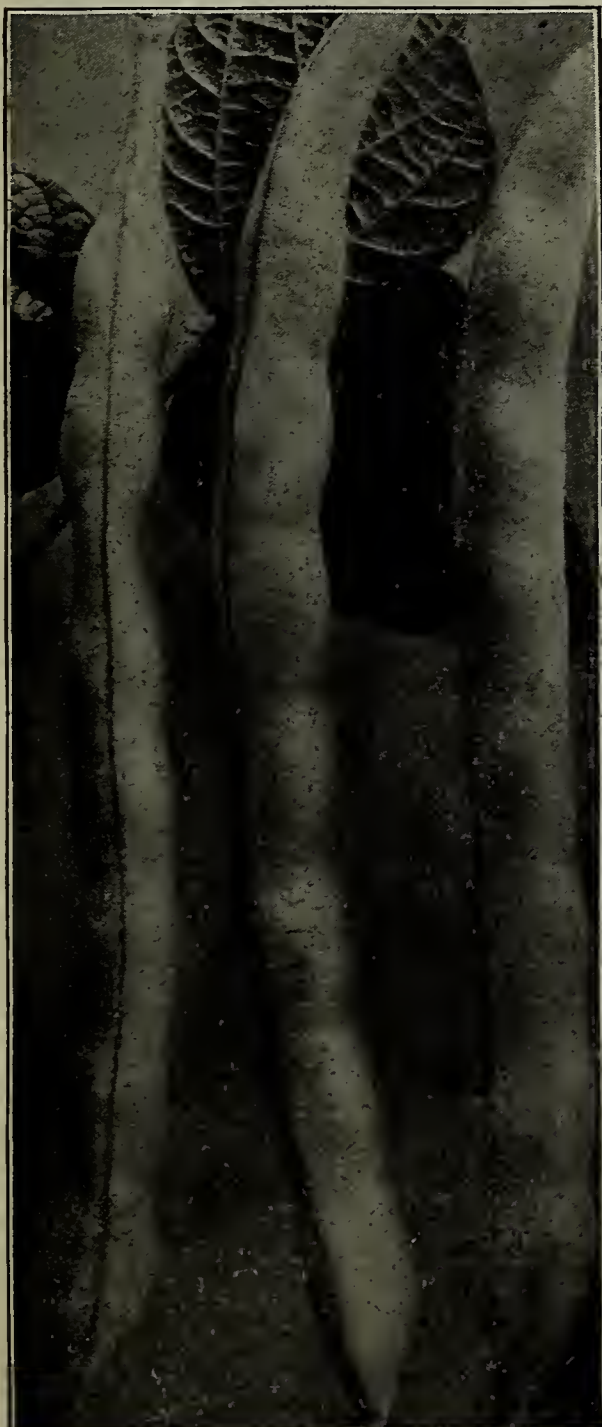
Round-Podded Kidney Wax. A vigorous grower, producing very fleshy pods, entirely stringless and rust-proof. Per pt. 20c., 40c. qt., 4 qts. \$1.25, \$2.25 per peck, bu. \$9.00.

Valentine Wax. The earliest wax bean in cultivation; pods round, rust-proof and very fleshy; entirely stringless. Per pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.25 per peck, per bu. \$9.00.

Wardwell's Kidney Wax. A favorite market bean; pod flat, very long and productive. Per pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.25 peck, bu. \$9.00.

Davis' White Wax. A long slender-podded sort, almost white, very fine. Pt. 20c., 35c. per qt., 4 qts. \$1.10, \$2.00 per peck, per bu. \$8.00.

FARMOGERM. A high grade nitrogen bacteria used in growing garden beans, produces wonderful results. 50c. per trial bottle. See page 31 for particulars.



Michell's (Improved) Golden Wax Bean

Note—If Beans are wanted by mail add 8c. per pint or 15c. per qt. to prices herewith quoted



Michell's Evergreen Pole Limas

LIMA BEANS

One quart will plant 100 hills; 12 to 15 qts. per acre.

Plant when all danger of frost or cold nights are over, don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't even in the same hill.

POLE VARIETIES

Michell's Evergreen (see illustration). A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt. 15c., 35c. per pt., qt. 60c., \$2.00 per 4 qts., pk. \$3.75.

Carpenteria. A variety that retains its green color in all stages of growth, even after being dried, with this it combines wonderful prolificness, flavor and size, a good early variety, 3 to 4 beans in a pod. Pt. 25c., 45c. per qt., 4 qts. \$1.50, \$2.50 per peck, bushel \$9.00.

POLE VARIETIES—Continued

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small, extra quality. 20c. per pt., per qt. 40c., \$1.35 per 4 qts., peck \$2.50, \$9.00 per bu.

Extra Early Jersey. An excellent variety, prolific and tender. 20c. per pt., qt. 35c., \$1.10 for 4 qts., peck \$2.00, \$8.00 per bu.

Ford's Mammoth Podded. Pods six to nine inches long; excellent for the home garden, heavy producer. 20c. per pt., qt. 35c., \$1.10 per 4 qts., peck \$2.00, \$8.00 per bu.

King of the Garden. Vigorous grower, producing a continuous bloom and fruitage to extreme end of season. Pods are of enormous size, many specimens measuring from five to eight inches, producing as high as six beans to the pod, perfectly formed and of superior quality. 15c. per pt., qt. 30c., \$1.10 per 4 qts., peck \$2.00, \$8.00 per bu.

Michell's Selected Large Jersey. Has proven exceedingly satisfactory; beans are very tender and luscious. An extra selection of seed stock; large fine beans, all hand picked. 20c. per pt., qt. 40c., \$1.50 per 4 qts., peck \$2.75, \$11.00 per bu.

Shotwell's Improved. An extra early sort similar to Dreer's Improved but much more desirable. It is sweet and tender, being one of the first Limas in the market. 20c. pt., qt. 35c., \$1.25 per 4 qts., peck \$2.00, \$8.00 bu.

BUSH LIMAS

Bush Limas should be planted for early crops, as they come into bearing much sooner, but are not so prolific as the pole varieties.

Fordhook. This is the best type of bush lima in cultivation, it has a distinct upright vigorous growth; the pods, which are borne in clusters well above the ground, frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. Pt. 25c., 45c. per qt., 4 qts. \$1.60, \$3.00 peck, bu. \$12.00.

Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima, that it should be used instead; the bean is thicker, sweeter and earlier, being also more prolific. Pt. 20c., 40c. per qt., 4 qts. \$1.50, \$2.75 per peck, bu. \$10.50.

Burpee's (Old Variety). A true, large-seeded lima in dwarf form. 20c. per pt., per qt. 35c., \$1.10 per 4 qts., peck \$2.00, \$8.00 per bu.

Dreer's. A small, round-seeded, late variety. 20c. per pt., per qt. 40c., \$1.25 for 4 qts., peck \$2.25, \$9.00 per bu.

Henderson's. The earliest sort, beans are flat, very small and tender, of excellent flavor. 20c. per pt., per qt. 30c., \$1.00 for 4 qts., peck \$1.90, \$7.60 per bu.

New Wonder. An improvement on the old type Burpee's Bush Lima which it resembles, being large and flat, except that it is much earlier. 20c. per pt., per qt. 35c., \$1.10 for 4 qts., peck \$2.00, \$8.00 per bu.

POLE STRING BEANS (NOT LIMA)

Plant in hills four feet apart, four or five beans in a hill, eyes downward, afterward thin to three plants in a hill.

Early Golden Cluster Wax. Pods very tender, six to eight inches long, of large size, borne profusely in large clusters of three to six beans; beautiful golden yellow color, which they retain after being picked. Pt. 20c., 40c. per qt., 4 qts. \$1.50, \$2.50 per peck, bu. \$10.00.

Horticultural or Speckled Cranberry. Speckled red and green pod. Used extensively for shelling, very prolific, and a late cropper, long pods usually containing from 9 to 12 beans. Pt. 15c., 30c. per qt., 4 qts. \$1.10, \$2.00 per peck, bu. \$8.00.

Kentucky Wonder (Old Homestead). (Green Pod.) One of the best green pole beans, producing pods in clusters, ready for use about 85 days from time of planting; very tender pods, almost stringless, often 8 inches long. Pt. 20c., 35c. per qt., 4 qts. \$1.10, \$2.00 per peck, bu. \$8.00.

Lazy Wife's. (Green Pod.) Excellent, heavy cropper. Pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per peck, bu. \$9.00.

Scarlet Runner. (Green Pod.) Sometimes used for its showy scarlet flowers, although it is fine for cooking when shelled. Pt. 20c., 35c. per qt., 4 qts. \$1.25, \$2.25 per peck; bu. \$8.50.

CEDAR BEAN POLES (Pointed)

Extra selected quality, 25 for \$2.75, \$5.00 per 50, per 100 \$9.00

Large Packets, all varieties of Beans, 10c. postpaid



TABLE BEETS

One ounce will sow 50 feet of row; 5 lbs. will sow an acre

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. Send for Cultural Leaflet No. 104 on beets.

Beet Seed is again exceedingly scarce, owing to the great shortage of roots that were calculated to be planted for seed stock.

Crosby's Egyptian. One of the earliest beets, especially desirable on account of its rich blood red color throughout, and its extreme tenderness, which it retains through all stages of growth. Used for an early spring and winter variety, it being a good keeper. Pkt. 5c., 15c. oz., per ¼ lb. 50c., \$1.50 lb.

Crimson Globe (Michell's Improved). Almost round in shape, of a rich deep red color. It has a distinct delicious flavor and is very tender, good for sowing early for forcing and summer use. Pkt. 5c., 15c. per oz., ¼ lb. 50c., \$1.50 per lb.

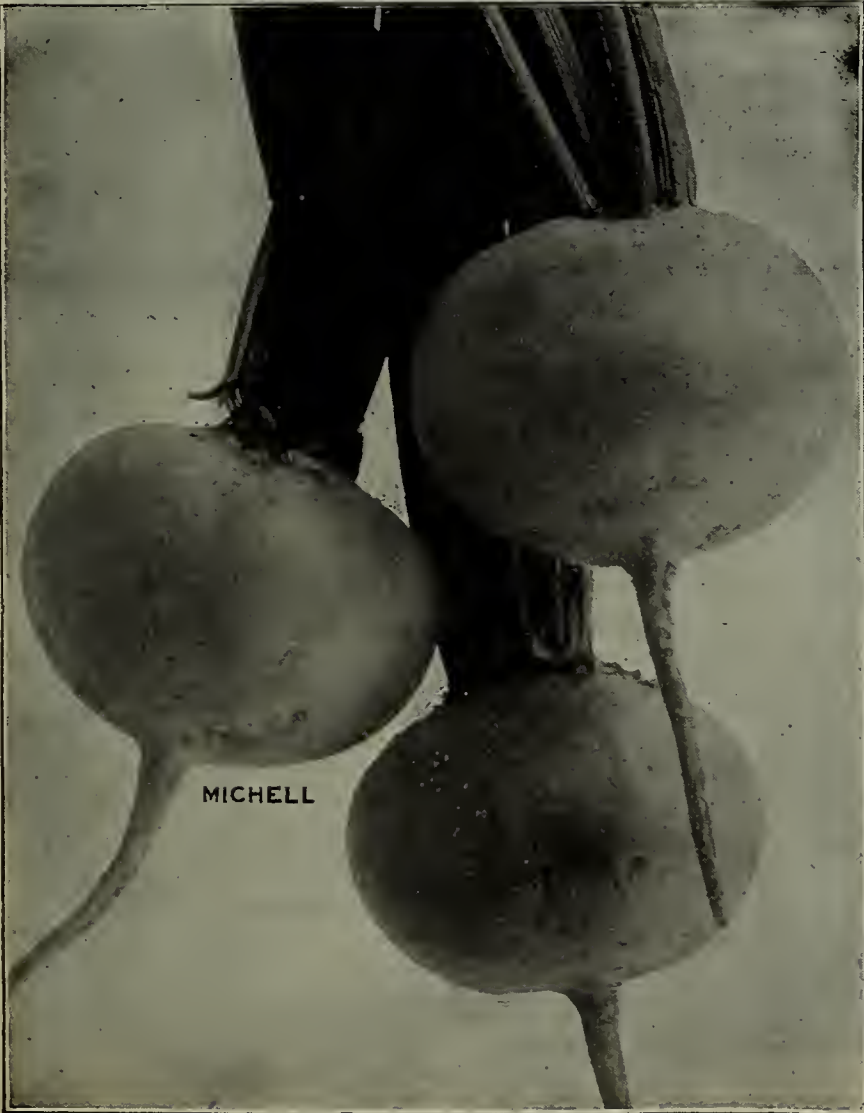
Arlington Favorite. Extra early; exceedingly sweet, rich, blood red, turnip-shaped. Pkt. 5c., 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

Bastian's Extra Early. The best beet for market and family use, grows quite large, turnip-shaped. Pkt. 5c., 15c. per oz., per ¼ lb. 40c., \$1.40 per lb.

Bastian's Half Long Blood. A valuable variety to follow Bastian's Extra Early; used extensively for winter use, when it should be sown in July. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.40.

Detroit Dark Red. A desirable type of turnip-shaped beet, very tender, excellent for winter keeping. Pkt. 5c., 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

Eclipse. Perfectly smooth and round, skin and flesh intense red. An excellent sort for forcing or for planting in the garden; medium size. Pkt. 5c., 10c. per oz., per ¼ lb. 35c., \$1.25 per lb.



Crosby's Egyptian Beet

TABLE BEETS (Continued)

Edmand's Blood. A variety for early and late sowing, good flavor, turnip-shaped. Pkt. 5c., 10c. per oz., per ¼ lb. 35c., \$1.25 per lb.

Extra Early Bassano. A flat variety, flesh white and rose colored, excellent used as a buttered beet. Pkt. 5c., 10c. per oz., per ¼ lb. 35c., \$1.25 per lb.

Improved Long Blood. A good variety for fall and winter use, when it should be sown early in July. Pkt. 5c., 10c. per oz., per ¼ lb. 30c., \$1.00 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood red. Pkt. 5c., 10c. per oz., per ¼ lb. 35c., \$1.25 per lb.

SWISS CHARD or SPINACH BEET

This variety does not produce an edible root; but its top growth, which is silver-leaved, can be separated, the rib and leaf; while the former is cooked and served like asparagus, the latter is prepared like spinach and has altogether a decidedly splendid flavor.

Silver Leaved. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Giant Lucullus. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.50.



CATTLE BEETS (Mangel Wurzel)

(Crop Very Short)

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills two inches deep, about twenty-four inches apart. Thin out to twelve inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for mangel-wurzels. Cultural Leaflet No. 104 gives explicit directions for growing and caring for this crop.

Mammoth Long Red. This is an enormously productive variety, yielding from fifty to seventy tons to the acre, a single root often weighing from twenty to forty pounds. It is the best long red mangel. Per oz. 7c., 20c. per ¼ lb., lb. 60c. (by mail 68c.), 5 lbs. \$2.50 (by express or freight).

Golden Tankard. The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Per oz. 7c., 20c. per ¼ lb., per lb. 60c. (by mail 68c.), 5 lbs. \$2.50 (by express or freight).

Red Globe. An excellent sort, very prolific, good for late planting. Per oz. 7c., 20c. per ¼ lb., per lb. 60c. (by mail 68c.), 5 lbs. \$2.50 (by express or freight).

Yellow Globe. Contains a large amount of sugar properties, and can be used for replanting quite late. Per oz. 7c., 20c. per ¼ lb., per lb. 60c. (by mail 68c.), 5 lbs. \$2.50 (by express or freight).

Improved White Imperial. An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Per oz. 7c., 20c. per ¼ lb., per lb. 60c. (by mail 68c.), 5 lbs. \$2.50 (by express or freight).

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground, one of the best for stock feeding. Per oz. 7c., 20c. per ¼ lb., per lb. 60c. (by mail 68c.), 5 lbs. \$2.50 (by express or freight).



Michell's Danish Ballhead Cabbage (Ready for Market)

CABBAGE (Long Island Grown)

One ounce will produce about 3000 plants,
4 oz. will produce enough for an acre

No grower can make a mistake in purchasing this important crop from us. Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession. Ask for cultural Leaflet No. 106, which gives full directions for growing and storing cabbage.

Michell's Improved Danish Ball-Head. This excellent winter cabbage is unequalled for its keeping qualities, massiveness and weight of heads, when trimmed they weigh by several ounces more than any other variety. For boiling, cold slaw, sour kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; it seldom, if ever, rots; heads never burst. 10c. pkt., $\frac{1}{2}$ oz. 15c., 30c. oz., $\frac{1}{4}$ lb. \$1.00, \$3.50 per lb.

EARLY VARIETIES

Early Jersey Wakefield. (Improved Strain.) The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. Pkt. 10c., 20c. per $\frac{1}{2}$ oz., oz. 35c., \$1.25 per $\frac{1}{4}$ lb., lb. \$4.00.

Early Jersey Wakefield (Usual Strain). Pkt. 5c., 15c. $\frac{1}{2}$ oz. oz. 30c., per $\frac{1}{4}$ lb. \$1.00, \$3.50 per lb.

Large Charleston Wakefield. Similar to the above sort but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. Pkt. 5c. and 10c., 30c. per oz., $\frac{1}{4}$ lb. \$1.00, \$3.50 per lb.

Early Winnigstadt. Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early, nor quite so solid. Pkt. 5c. and 10c., 20c. oz., $\frac{1}{4}$ lb. 70c., \$2.50 lb.

EARLY VARIETIES—Continued

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid, excellent for winter as well as early spring, it resembles Early Summer. Pkt. 5c. and 10c., 15c. per $\frac{1}{2}$ oz., oz. 30c., \$1.00 per $\frac{1}{4}$ lb., lb. \$3.75.

Copenhagen Market. The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. Pkt. 10c., 15c. per $\frac{1}{2}$ oz., oz. 25c., 75c. per $\frac{1}{4}$ lb.

Early Flat Dutch. A dwarf-growing type, principally used for early summer. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 70c. lb. \$2.50.

SECOND EARLY VARIETIES

Early Drumhead. A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt. 5c. and 10c., 25c. per oz., $\frac{1}{4}$ lb. 75c., \$2.75 per lb.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt. 5c., 15c. per $\frac{1}{2}$ oz., 25c. per oz., $\frac{1}{4}$ lb. 85c., \$3.00 per lb.

Succession. A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. Pkt. 5c. and 10c., 25c. per oz., $\frac{1}{4}$ lb. 85c., \$3.25 per lb.

For Late Cabbage and Cabbage Plants See opposite Page

CABBAGE—Continued
LATE OR WINTER VARIETIES

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, the seed being taken from the finest type of heads which were selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. For sauer kraut it is unsurpassed. Pkt. 10c., 20c. per ½ oz., oz. 35c., \$1.00 per ¼ lb., lb. \$3.00.

All Seasons. (Vandergaw.) A very large head, round and solid. It is valuable for late summer or winter use. Pkt. 5c. (10c. per large pkt.), 25c. per oz., ¼ lb. 85c., \$3.00 per lb.

Danish Ballhead. For description and price see opposite page.

Late Flat Dutch. A very large flat-headed sort, used extensively as the main winter cabbage crop. Pkt. 5c. (10c. per large pkt.), 15c. ½ oz., 25c. per oz., ¼ lb. 75c., \$2.75 per lb.

Large Late Drumhead. Much like the above except the heads are not quite as large nor as flat, it is short stemmed. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 70c., \$2.50 per lb.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it highly, being one of the best cabbages grown for either market or home consumption. Pkt. 5c. (10c. per large pkt.), oz. 25c., 75c. per ¼ lb., lb. \$2.50.

Red Dutch Drumhead. A red variety, used extensively for pickling. When cooked with a little Port wine and sugar added to it, makes a dish fit for a king. Few people can appreciate it because they have never tried it. For cold slaw it has merits over the white kinds. It is principally used for winter. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 60c., \$2.25 per lb.

Volga. The heads often weigh 12 to 15 lbs. The interior is pure white. The heads are very solid, roundish flat and of a light green color. It is claimed to be almost worm proof. One of the best for early winter use. Pkt. 10c., 25c. per oz., ¼ lb. 85c., \$3.00 per lb.

CABBAGE PLANTS Ready in season according to variety

Early Sorts. From hotbeds. All the leading varieties. Per 100 40c. (by mail 55c.), \$3.50 per 1000.

From Cold Frames Transplanted. Per 100 75c., \$6.00 per 1000.

Late Sorts. Ready July 1st. Per 100 40c., \$2.75 per 1000.

**Michell's Selected Snowstorm Cauliflower****CAULIFLOWER PLANTS**

(Ready about April 1st)

	Doz.	100
Spring plants from hotbeds.....	\$0.25	\$1.50
Wintered over Cauliflower Plants from cold frames..	.40	2.00
Pot-grown Plants	each 5c.	.50 4.00

**Perfection Savoy Cabbage****CATNIP HERB (Perennial)**

This is used for various medicinal purposes, making tea, etc. As a tonic for cats it is excellent. Pkt. 10c., 25c. ½ oz., oz. 50c.

CARAWAY HERB (Annual)

The seeds when harvested are used for flavoring bread, producing the famous "German Kümmel Brot." Pkt. 5c., 10c. per oz., ¼ lb. 35c.

CAULIFLOWER

One ounce of seed will produce about 3000 Plants

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames until it is safe to plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row. Ask for Cultural Leaflet No. 108. This covers cauliflower raising fully.

Matador. A splendid forcing variety. Although not quite as large as Snowball or Erfurt, it can stand any degree of heat and is extremely hardy in hot beds, 20c. per pkt.

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; being very long and compact, it gives enormous weight to the individual heads; especially desirable for its earliness under glass, but does equally well in the late spring, summer or autumn outdoors. Pkt. 25c., 50c. per large pkt., ¼ oz. \$1.50, \$2.50 per ½ oz., 1 oz. \$5.00.

Michell's Special Strain Selected Erfurt. One of the earliest in cultivation, small leaved dwarf, for forcing or open ground; the head is not as large as the snowstorm sort. Pkt. 20c. and 50c., 85c. per ¼ oz., ½ oz. \$1.50, \$2.75 per oz.

Early Snowball. A splendid early variety, producing magnificent medium size white heads. Pkt. 20c. and 50c., 85c. per ¼ oz., ½ oz. \$1.50, \$2.75 per oz.

Danish Giant. An ideal variety for summer use, as it will stand more drought and heat than most other sorts; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt. 25c., \$1.00 per ¼ oz., per oz. \$3.50.

Algiers. One of the best late sorts for outdoor planting; always produces a good head. Pkt. 10c., 25c. per ¼ oz., per oz. 75c.

Half Early Paris. Pkt. 10c., 20c. per ¼ oz., per oz. 65c.

Veitch's Autumn Giant. One of the finest late varieties for outdoor culture, doing especially well in the South and during dry periods. Pkt. 10c., 20c. per ¼ oz., per oz. 65c.



Improved Long Orange Carrot

CARROT

(One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.)

For an early crop sow as soon as danger from frost is over in rows 1 foot apart, when 2 inches high thin out to stand 2 inches apart in the row. For late crop sow in May or June. The long sorts sow early, the half-long and round sorts can be sown later. For complete cultural directions ask for Leaflet No. 107.

Chantenay Half-Long. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, stump-rooted. Pkt. 5c., 15c. per oz., per ¼ lb. 40c., \$1.25 per lb.

Danvers Half-Long. The best variety for general crop; rich orange color, a very heavy yielder and splendid keeper, a first-class carrot for all soils, and valuable both for table and stock, 6 to 7 inches long, point-rooted. We have an extra fine strain of this favorite sort. Pkt. 5c., per oz. 15c., 40c. ¼ lb., lb. \$1.25.

Early Half-Long Scarlet. A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color, can be sown in hotbeds for early use for which purpose it is very good; 5 to 6 inches long. Pkt. 5c., per oz. 15c., 40c. ¼ lb., lb. \$1.25.

Early Scarlet Horn. A favorite early red variety, fine grain and good flavor, stump rooted, about 6 inches long, ideal for soups. Pkt. 5c., per oz. 15c., 40c. ¼ lb., lb. \$1.25.

Guerande or Oxheart. A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 or 4 inches long. It has a very fine flavor and is well colored a rich orange. Pkt. 5c., 15c. per oz., 40c. ¼ lb., lb. \$1.25.



Chervil

CHERVIL

One ounce will sow a row 25 feet long.

An aromatic plant used extensively in Europe as a salad seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every two weeks, if one has heated frames or a greenhouse, it can be cut 4 or 5 weeks after sowing.

Double Curled. Pkt. 5c., oz. 15c., ¼ lb. 50c., \$1.75 per lb.

SEED OF THIS IS VERY SCARCE

Improved Long Orange (Michell's Special Strain). Deep orange color, 10 inches long, good flavor, yields heavily; is of excellent table quality, and is also the best for stock feeding. This strain grows unusually uniform, root for root, and gives great satisfaction; stump rooted. Pkt. 5c., 15c. per oz., per ¼ lb. 40c., \$1.25 per lb.

Rubicon Half-Long. An entirely distinct Carrot. It is the best in shape, and its deep red orange-colored flesh is the finest quality. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing, sowing in hotbeds and for growing outside. The ideal carrot for the market gardener, point rooted. Pkt. 5c., 15c. per oz., ¼ lb. 40c., \$1.25 lb.

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt. 5c., 15c. per oz., ¼ lb. 40c., \$1.25 per lb.

White Belgian. Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for soiling or turning under; being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt. 5c., 10c. per oz., per ¼ lb. 30c., \$1.00 per lb.



A Clump of Chives

CHIVES (Schnittlauch)

This popular kitchen garden plant is indispensable for flavoring certain dishes, it imparts a mild onion taste, not, however, to such an extent as to render it objectionable. The plants are hardy and will last for years; don't cut the plant too close when gathering. If desired for winter use, lift and plant in a pot or box and place in a sunny window in the kitchen.

Seed. Pkt. 15c., 2 for 25c.

Strong Plants. 10c. each, doz. \$1.00, \$7.00 per 100.

CORIANDER (HERB)

The harvested seed is used for flavoring confectionery, liquors, etc. It is an annual.

and must be sown every season. Pkt. 5c., 10c. per oz., ¼ lb. 35c.

Ask for Cultural Leaflet No. 113, on Kitchen Garden Herbs.

CELERY

One ounce of Seed will produce 3000 to 5000 plants;
Half pound will produce enough plants for an acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way, let them remain here until July, when they should be planted where they are to mature; in rows 3 feet apart, 6 inches apart in the row. Cultural Leaflet No. 109 covers celery growing fully.



Michell's "Magnificent" Celery, a grand variety for Winter use

EARLY VARIETIES (For Thanksgiving and Christmas Use)

White Plume (Michell's Private Stock). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. This strain of seed is a selection of the finest and best specimens, and will be found very superior in every way. Pkt. 10c., 20c. per ½ oz., oz. 35c., \$1.00 per ¼ lb.

White Plume (Regular Strain). Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb.

Early Snowdrift. An improved White Plume self-blancher, with a splendid nutty flavor, the heart is very full; a single plant producing a good quantity; matures for Thanksgiving Day. Pkt. 10c., 20c. per ½ oz., oz. 35c., \$1.25 per ¼ lb.

Golden Self Blanching (French Grown Seed). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which during the growing period are never pithy, of excellent flavor, requiring no artificial blanching process, ready for use in October but may be kept for early winter use. Our seed has been grown in France, where this vegetable attains greatest perfection, and this strain is much superior to American-grown seed. Pkt. 15c., 85c. per ½ oz., oz. \$1.50, \$6.00 per ¼ lb.

Dwarf Golden Heart. This variety comes in for use at Christmas, and keeps well into the spring. The stalk is short, stocky and very nutty. The heart or inner stalks are a rich golden yellow. An ideal home garden variety. Pkt. 5c., 10c. per large pkt., oz. 20c., 60c. per ¼ lb.

Pink Plume. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. It is very early and requires very little artificial blanching. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb.

Newport, Del.

I sent you a sample of your WHITE PLUME CELERY. Of the 5,000 set out one is like the other. The finest and best I ever grew, as with all other seeds I bought from you I am especially well pleased with the celery.

ALEX. ATWELL.

I have already sold \$500.00 worth of your White Plume Celery this season.

THEO. SCHALLIOLL.

Bryn Mawr, Pa.

CELERIAC

(Knollensellerie) Turnip Rooted

This distinctly German vegetable is used for two purposes, the leaves are cut when young and used to flavor soups and meats. The roots are boiled, sliced, cooled, and served as a salad; the latter are not ready for use until winter.

Giant Prague. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 60c.

CELERY PLANTS

(Ready in July)

Extra selected transplanted stock grown by ourselves, leading sorts. See page 69. 50c. per 100 (by mail, 65c.), 500 for \$2.25, \$4.00 per 1000.

CELERY PAPER for covering celery banks and trenches to exclude water. 500 sq. ft., for roll, \$1.15, \$5.25 for 5 rolls.

LATE WINTER VARIETIES

Far Superior (Michell's). This excellent variety was introduced by us some ten years ago, and has since then remained a favorite. It produces gigantic stalks, and a large, full heart, the flavor is ideal and all that could be desired. It improves with the advance of winter, and is a variety with very little waste, comes into condition for use about January. Pkt. 10c., 15c. per ½ oz., oz. 30c., 85c. per ¼ lb.

Giant Pascal. One of the largest stalked kinds, with wonderful keeping qualities. It is in its prime for use during February and March, and can be used well up into spring. Its flavor is fine and nutty, the stalks have no tendency to be stringy, and are enormously thick and meaty. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., 25c. per oz., ¼ lb. 75c.

Magnificent. It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle, so that it has a tendency to melt in the mouth: it is a truly good sort and should be planted extensively. Pkt. 10c., 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.

Winter King. One of the newer sorts for late winter use. It blanches nicely, is well flavored and very crisp. Pkt. 10c., 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.

Winter Queen. A medium tall, solid variety, will retain its qualities long thro' the winter. The heart is very full and large. Pkt. 10c., 15c. per ½ oz., oz. 30c., \$1.00 per ¼ lb.

New York (New). The earliest Celery in cultivation, very large and solid and of excellent qualities. Self blanching. Pkt., 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb.

New Columbia. A new variety of great merit, a medium tall sort, producing a large heavy stalk, three making a massive bunch, has splendid keeping qualities. Pkt. 10c., 25c. per ½ oz., oz. 50c., \$1.75 per ¼ lb.

Flavoring Celery (not for sowing). 10c. per ¼ lb., lb. 30c.

We grow Our Vegetable Plants at "Evergreen" Seed Gardens



Off to market with a load of Michell's Improved Strain Stowell's Evergreen Corn

SWEET OR SUGAR CORN

One quart will plant 200 hills;
8 to 10 quarts per acre.

Large Packets of all Varieties, 10 cents, postpaid

Plant once a week from the moment the ground is permanently warm until July 15th, drop from 6 to 8 grains in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 or 4 strong plants to the hill. Directions for successful corn growing is covered in Cultural Leaflet No. 110, free for the asking.

EARLY VARIETIES

Early Champion. Large ears, well shaped and exceedingly sweet. Pt. 20c., 30c. qt., 4 qts. \$1.00, \$1.50 per peck, bushel \$6.00.

Golden Bantam. While yellow in color, this is the sweetest and earliest corn in existence, if once planted it will be a sure favorite. The ears are medium size, tender and delicious. The plant is of dwarf growth, we recommend it very highly for the home garden. Pt. 20c., 35c. qt., 4 qts. \$1.25, \$2.00 per peck, bushel \$8.00.

Early Giant Wonder. An extremely good sort, producing larger ears than any other type of true sugar corn, of which it is one of the earliest. 10c. pkt., pt. 25c., 50c. per qt., 4 qts. \$1.75, \$3.25 per peck, per bu. \$12.00.

Ideal. The grower of this variety has been carefully selecting it for the past fifteen years. Exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties. 15c. per pt., 30c. per qt., \$1.00 for 4 qts., pk. \$1.75, \$7.00 per bu.

Kendel's Early Giant. Large ears, large deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Pt. 15c., 25c. per qt., 4 qts. 90c., \$1.50 per peck, bushel \$6.00.

Adams' Extra Early. Best for very early planting, but not entirely sweet; white grain. 15c. per pt., per qt. 25c., 90c. for 4 qts., per pk. \$1.25, \$5.00 per bu.

Aristocrat. A typical New England corn, having originated in the vicinity of Newport, and is supplied to the summer cottagers at that point. It is extra early and extremely sweet and luscious. 20c. per pt., per qt. 35c., \$1.10 for 4 qts., per pk. \$1.75, \$7.00 per bu.



Ideal Sugar Corn

If Corn is desired by mail, add 5c. per pint, 10c. per quart, for postage.

Large Packets of all Varieties, 10 cents postpaid

EARLY VARIETIES—Continued

Crosby's Extra Early. An old favorite sort. Ears small, grain exceedingly sweet, heavy producer. 15c. per pt.; per qt., 25c.; 75c. for 4 qts.; per pk., \$1.25; \$5.00 per bu.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier. 15c. per pt.; per qt., 25c.; 75c. for 4 qts.; per pk., \$1.25; \$5.00 per bu.

Early Mammoth. The ears and fodder both attain gigantic proportions. The former, besides being large, is handsome in appearance and exceedingly sweet. Matures just after the extra early types. 15c. per pt.; per qt., 25c.; 90c. for 4 qts.; per pk., \$1.40, \$5.60 per bu.

First of All. The grain, when in the dry state, is slightly reddish; when green, however, it is like most other sorts of the sugar corn family. Most gardeners prefer it for their first and last plantings. 15c. per pt.; per qt., 25c.; 80c. for 4 qts.; per pk., \$1.35; \$5.40 per bu.

Golden Rod. This is an improvement on the famous Golden Bantam. The ear is somewhat larger, but it matures a few days later. In color it is not quite as golden yellow, as the former, but lighter. It is exceptionally sweet. A variety, that will give great satisfaction in the home garden. 25c. per pt.; per qt., 45c.; \$1.40 per 4 qts.; \$2.50 per peck.

Metropolitan. One of the largest of the early sorts, maturing sooner than most of the real Sweet Corns. It is evenly grained and may be depended upon for exceptional results. Per pt., 15c.; 30c. per qt.; \$1.00 per 4 qts.; per peck, \$1.50; \$6.00 per bushel.

Peep-O-Day. This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. It may be used for early or late planting with equal success; claimed to be the most prolific variety grown; can be raised under glass quite successfully. 15c. per pt.; per qt., 25c.; 80c. for 4 qts.; per pk., \$1.50; \$6.00 per bu.

Premo. A fine type of sugar corn, one of the real good extra early large-eared varieties. 15c. per pt.; per qt., 30c.; 90c. for 4 qts.; per pk., \$1.50; \$6.00 per bu.

Stabler's Extra Early. This is the standard sort for the home garden. The large ear is well arrayed with even grains which cook pure white and are very tender. 15c. per pt.; per qt., 25c.; 90c. for 4 qts.; per pk., \$1.40; \$5.60 per bu.

MEDIUM AND LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium sized and are produced abundantly. Pt., 15c.; qt., 25c.; 4 qts., 75c.; peck, \$1.25; bushel, \$5.00.

Country Gentleman (Michell's Improved Strain). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high, a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type and will give unusual satisfaction. Pt., 20c.; 35c. qt.; 4 qts., \$1.25; \$2.25 per peck; bushel, \$8.00.

Country Gentleman (Usual Strain). 15c. pt.; qt., 30c.; \$1.00 per 4 qts.; peck, \$1.50; \$6.00 per bushel.

Eastwick. This corn until some seed stock had been given to us, had been in the hands of one family for a period of many years. Through experiments, we conducted, we are convinced, that it cannot be surpassed by any for sweetness. We have succeeded in working up a limited stock of it, which we are offering this season for the first time. It is a tall growing sort, matures at the same time as Shoe Peg (but is much sweeter). An important characteristic of it is, that in eating it, the Kernel or flesh of the grain comes out of the hull easily and the latter remains on the ear. This means that you do not have to pick your teeth after you eat Eastwick Sugar Corn. 30c. per pt.; per qt., 50c.; \$1.75 for 4 qts.

Late Mammoth. Gigantic ears, of extra fine quality, produced in quantity. This is the latest maturing and largest of all sweet corns. The stalks frequently are 8 and 9 feet high. Pt., 15c.; qt., 25c.; 4 qts., 75c.; peck, \$1.25; bushel, \$5.00.

MEDIUM AND LATE VARIETIES (Continued)

Little Gem or Shoe Peg (Ne Plus Ultra). This variety is closely allied to Country Gentleman in every characteristic. Pt., 15c.; per qt., 30c.; 4 qts., \$1.00; per peck, \$1.50; bushel, \$6.00.

Michell's Delicious. The name hardly describes this sort. Some fifteen years ago it was selected by an old Philadelphia gardener who bred it until he had it perfect, ever since we acquired control thereof we have placed it with our best sugar corn grower in New England with instructions to grow it for us exclusively and keep reselecting it. The ears are well filled, medium in size and mature after the early varieties. Pt. 20c.; 40c. per qt.; 4 qts., \$1.50; \$2.75 per peck; bushel, \$11.00.

Stowell's Evergreen (Michell's Improved Strain). The best late corn grown. The ears are extra large, produced in great abundance, stalks often grow to a height of 7 feet; in sweetness it is unexcelled and for this reason it is the great favorite of the market and home gardener. Our strain has been reselected and represents not only a superior quality but a most distinct advance in this splendid variety. Pt. 20c.; 35c. per qt.; 4 qts., \$1.25; \$2.25 per peck; bushel, \$8.00.

Stowell's Evergreen (Usual Strain). Pt., 15c.; 25c. per qt.; 4 qts., 75c.; \$1.25 per peck; bushel, \$5.00.

SUGAR CORN ON EARS

Large selected specimens of Crosby's, Country Gentleman, Stowell's Evergreen, Late Mammoth, Kendel's and Stabler's. 10c. each; per doz., \$1.00; \$7.00 per 100 ears.

POP CORN



Popping Corn

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long dreary evenings of winter. When popped, buttered and sugared it is not only delicious but healthful. Not all pop corn is the right kind for popping. What we offer, however, can be relied upon for planting or popping.

Golden Queen (Ears). (Pops white.) Lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.

White Rice (Ears). Lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.

CORN POPPERS

Made of best quality wire. Price includes handle and lid. 1 qt. size, 15c.; 2 qt. size, 25c.

CHOICE FIELD CORN FOR SEED

We are headquarters for the leading varieties, which we have had grown on contract especially for us. See page 70.



Water Cress

WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, it seeding itself.

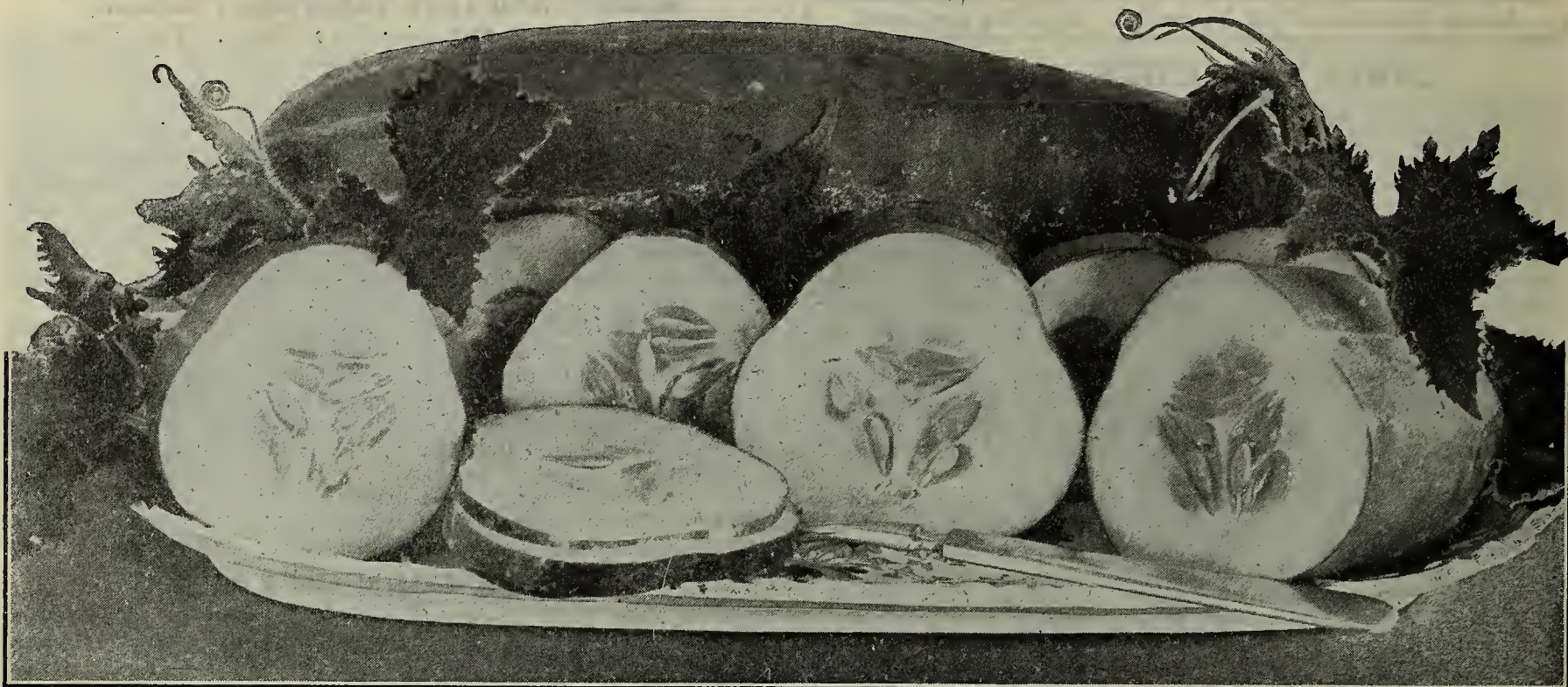
True Erfurt, Pkt., 10c.; 20c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.

GARDEN CRESS

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten as gathered prepared with either a little salt and vinegar, or without; makes a very tasty salad.

Extra Curled or Pepper Grass. Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 50c. per lb.

If Corn is wanted by mail, add 5c. per pint, 10c. per quart, for postage.



Michell's Arlington White Spined Cucumber

CUCUMBER

One ounce of seed will plant 60 hills;
2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed in hills, 4 feet apart each way, 8 seeds in a hill, when the second set of leaves have formed thin out to 4 plants. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead, when this is used always wash the fruits thoroughly before using. Culture of Cucumbers is fully covered in Leaflet No. 111, ask for a free copy.

Michell's Arlington Improved White Spined. This cucumber is conceded to be absolutely perfect in form, color, size and productiveness and is, therefore, the leading sort for not only the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt. 10c., 15c. per oz., 50c. per $\frac{1}{4}$ lb., lb. \$1.50.

Improved White Spined. A popular strain of the above, producing fine quality. Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 30c., \$1.00 lb.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, measuring 10 to 12 inches on the average. Its color is dark green all over and it is quite smooth and productive. Pkt. 5c. (10c. large pkt.), 15c. oz., $\frac{1}{4}$ lb. 35c., \$1.20 lb.

Emerald. A dark green early sort, very smooth and prolific, it grows very straight, measuring on the average 8 inches. It is not as thick as some sorts, thus making it valuable for slicing. Pkt. 5c. (10c. per large pkt.), per oz. 15c., 40c. per $\frac{1}{4}$ lb., lb. \$1.25.

CORN SALAD (Fetticus)



This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover it with a litter of leaves or long manure; and upon approach of spring the covering can be taken off entirely. It can be gathered on mild days during winter.

Large Leaved, Round Seeded. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.

Cool and Crisp. An improvement on the White Spined variety, being somewhat longer, earlier and continuing to bear for a longer while than most sorts. The ends are uniformly tapered, the fruits are dark green and free from spines. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Long Green Turkey. This is one of the largest cucumbers grown, used principally for slicing. Its dark color makes it desirable for market. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Cumberland. A long slender variety which is very productive; fine for pickling or slicing; average length, 8 to 10 inches; dark green color. Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 30c., \$1.00 lb.

Evergreen. The name is derived from the feature of its dark green color-retaining qualities, a thick fruit measuring about 8 to 9 inches long. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Jersey Pickle or Green Prolific. This sort can be used for slicing, but is best for pickling on account of its size, which averages 5 inches; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental, producing extra long light green fruits in abundance. Pkt. 5c. (10c. per large pkt.), 15c. per oz., $\frac{1}{4}$ lb. 40c., \$1.25 per lb.

Gherkin or Burr Cucumber. For pickling only, the small fruits are roundish long, about 2 inches, very prickly when green. Pkt. 5c. (10c. per large pkt.), per oz. 15c., 40c. per $\frac{1}{4}$ lb.

ENGLISH CUCUMBERS

These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

Lockie's Perfection, Sion House, Telegraph, Tender and True.
Each per packet of 12 seeds 25c., \$2.00 per 100 seeds.

DILL HERB (Annual)

Used extensively for culinary use and for putting with cucumbers when pickling, producing the famous German "Dill Gherken." Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 25c.



English Cucumber,
"Lockie's Perfection"
Average length, 24 inches



"Witloof"

We have issued a special leaflet describing at length and in detail the culture of Chicory, also the way to prepare and serve it. If interested ask for Special Culture Leaflet No. 131.

GARDEN BASKETS (Oak)

There is nothing like having proper help in executing garden work. These baskets are substantially made and each style fills some one particular demand.

The English Gathering Basket, known as No. 1, will be found especially convenient for gathering Asparagus, Lettuce, Cauliflower, cut flowers, etc. Even in a small home garden there is a need for one of these baskets.



ENGLISH GATHERING BASKET No. 1

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. -Price, 60c.; \$6.50 dozen.



STIFF HANDLED BASKETS No. 2

½ bushel capacity. 50c. each; doz., \$5.50.



DROP HANDLE OAK BASKET No. 3

½ Bushel capacity, with a thoroughly reinforced bottom. 50c. each; \$5.50 doz.



OAK BASKET WITHOUT HANDLE No. 4

This pattern is on the market a long while and is preferred by many. Has liberal hand grips and is closely woven.

1 Bush. size, 75c. each; dozen, \$8.00. ½ Bush. size, 45c. each; dozen, \$4.75.

SPLINT OR CHIP BASKETS

These inexpensive baskets are suitable for shipping fruit and vegetables from the garden to the summer home.

With Handle	Without Handle	With Handle	Without Handle
¼ bu....doz. \$0.65	doz. \$0.60	¾ bu....doz. \$1.20	doz. \$1.00
½ bu.... " .70	" .65	1 bu.... " 1.65	" 1.50

CHICORY

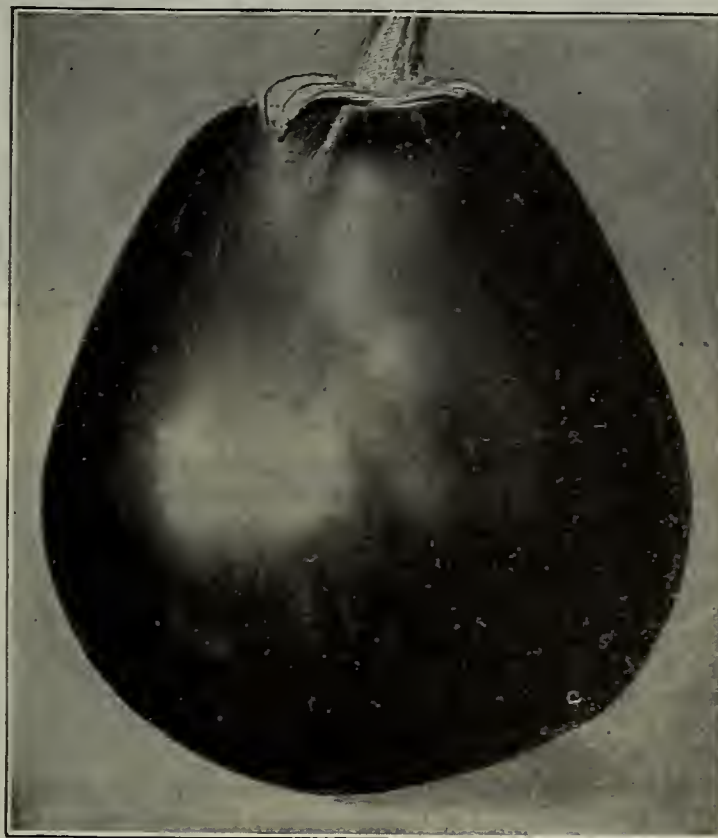
Witloof. This grows in a solid oblong head and blanches ivory white. When lifting, cut whole head with part of the roots to hold the leaves together. It is the choicest of all the winter salads and is used to such an extent in this country that much of it is imported. Pkt. 5c. (large pkt. 10c.), 15c. per oz., ¼ lb. 40c., \$1.25 per lb.

Large Rooted or Common. This variety is cultivated principally for the roots, which when matured are dried and ground. It is a substitute for coffee and is used sometimes for flavoring the latter. The roots can be boiled, prepared and served like satisfy. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. per lb.

DANDELION

While this name applies to one of the most obnoxious weeds, this variety is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing but very healthy and highly recommended by physicians. Seed should be sown in spring thickly in a bed in the garden, where the plants should remain for the season, late in the fall cover the bed with a movable sash or leaves or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

Thick Leaved or Cabbaging. Pkt. 5c. (10c. per large pkt.), 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.



Black Beauty Egg Plant

EGG PLANT (One Ounce will produce about 2000 plants)

Sow seed in March in hotbeds and when three inches high transplant into small pots or otherwise. Plant outdoors in May or June, or after the weather has become permanently warm. The rows should be 3 feet apart and the plants set 2 feet apart in the row. Ask for Cultural Leaflet No. 112, covering Egg Plant growing.

SELECTED NEW JERSEY GROWN SEED

Black Beauty. An extra early large variety, almost black in color, very prolific and with few seeds. Pkt. 10c., 25c. per ½ oz., oz. 45c., \$1.50 per ¼ lb.

Michell's New York Improved. An old standard, quite large and more elongated than the Black Beauty, with a rich purple color. Pkt. 10c., 20c. per ½ oz., oz. 40c., \$1.25 per ¼ lb.

Black Pekin. An extra early, small, black variety. Pkt. 10c., 15c. per ½ oz., per oz. 30c., \$1.00 per ¼ lb.

Early Long Purple. The earliest and hardiest, very productive. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 65c.

EGG PLANT PLANTS (Ready May 15th). Pot-grown.

New York Improved, Black Beauty. Produced at our "Evergreen" Seed Gardens. Per doz. 50c., \$4.00 per 100.

MICHELL'S SEEDS ARE PRIZE WINNERS.

Bar Harbor, Me.

For the third year in succession I have won the silver cup offered by our horticultural society for the best display of vegetables. They were all grown from your seeds.

WM. McGRANAGHAN.

MICHELL'S GIANT FRINGED
ENDIVE**ENDIVE** (Sometimes called Chicory)

One ounce will sow a row 200 feet long

Sow from June to August in shallow drills and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed tie the plants together at the top with Raffia, but do this at a time when the leaves are dry, this is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in the autumn, placed in a dry cool cellar, covering the roots with soil. If handled thus it may be had well into spring, and makes an excellent salad.

Broad-Leaved Batavian (*Escarolle*). Leaves broad, light green, nearly plain. Pkt. 5c. (large pkt. 10c.), 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

Giant Fringed (*Oyster Endive*). A strong growing variety with a large white heart and broad leaves, the heads frequently measure 15 inches in diameter. Pkt. 5c. (large pkt. 10c.), 25c. per oz., per ¼ lb. 75c., \$2.50 per lb.

Improved Green Curled. An improvement on the old Green Curled variety, producing a larger head and more leaves. Pkt. 5c. (large pkt. 10c.), 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

White Curled (self-blanching). This is the finest White Curled variety, grows to a large size, always crisp and very tender. Pkt. 5c. (large pkt. 10c.), 20c. per oz., per ¼ lb. 50c., lb. \$1.50.

FENNEL HERB (Annual)

An aromatic plant used for flavoring and in cooking, also for tea for children. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb.

GARLIC SETS (*Knoblauch*)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort, as this produces large bulb. Plant and harvest the same as onions. 30c. per lb. (by mail 38c.), \$1.25 for 5 lbs.

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc. It is hardy and rarely winter-kills. The hops are gathered about September and stored for use on a dry floor or hung in bags.

Seeds. Pkt. 10c., 30c. per oz.

Pot Grown Plants. 15c. each, doz. \$1.50, \$10.00 per 100.

HOREHOUND HERB (Annual)

Used for various medicinal purposes and for flavoring. Pkt. 5c. (large pkt. 10c.), 15c. ½ oz., oz. 25c.

**HORSE RADISH
ROOTS**

(Ready in March)

Horseradish is used in most every household during the fall and winter months when the fresh product is ready. Set the roots in spring in rows six inches apart, about the same distance in the row. No cultivating of any amount is required. Late in the fall lift as many roots as you think you will use during the winter, cut off the top, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

Maliner Kren (*Bohemian*). Quick-growing variety, now the very best horse radish grown. Large, strong cuttings 25c. per doz., per 100 75c. (postpaid \$1.00), \$6.00 per 1000.

Regular Variety. Doz. 15c., 50c. per 100 (postpaid 65c.), per 1000 \$4.00.

**Dwarf Curled Scotch Kale****KALE OR BORECOLE** (One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre)

For early use it may be sown in May; when desired for winter use sow in September broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition, one of the finest nutritious greens.

Dwarf German Green Curled. This variety is very compact growing, rarely attaining a height over six inches. The color is dark green, very curly. Pkt. 5c., 10c. oz., ¼ lb. 25c., 80c. lb.

Dwarf Green Scotch. A very good variety, quite an improvement on the Dwarf German type. It is more prolific, holds its color better, and is more densely curled; fine for winter use. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 80c. per lb.

Imperial Long Standing. The leaves are very crimp and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 90c. per lb.

Sea Kale. This variety is cooked and served like asparagus when blanched. Pkt. 10c., 25c. oz.



Earliest White Erfurt Kohl Rabi

KOHL RABI (One ounce will sow a row 150 feet long)

It is regrettable that this splendid vegetable is not more widely used, we would suggest that those who read these lines give it a trial and if pleased with it, recommend it to their friends. Sow seeds in early spring in hotbeds or outdoors and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the turnip which grows above the ground, this should be used when it attains a size of 2½ inches in diameter or less, at this stage it is extremely tender and delicious, while if it is larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root. If they get old before they are used, feed to the cows, they relish them; and it gives the milk a fine flavor.

Blue or Purple Vienna. The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt. 5c. and 10c., 20c. per oz., 60c. per ¼ lb.

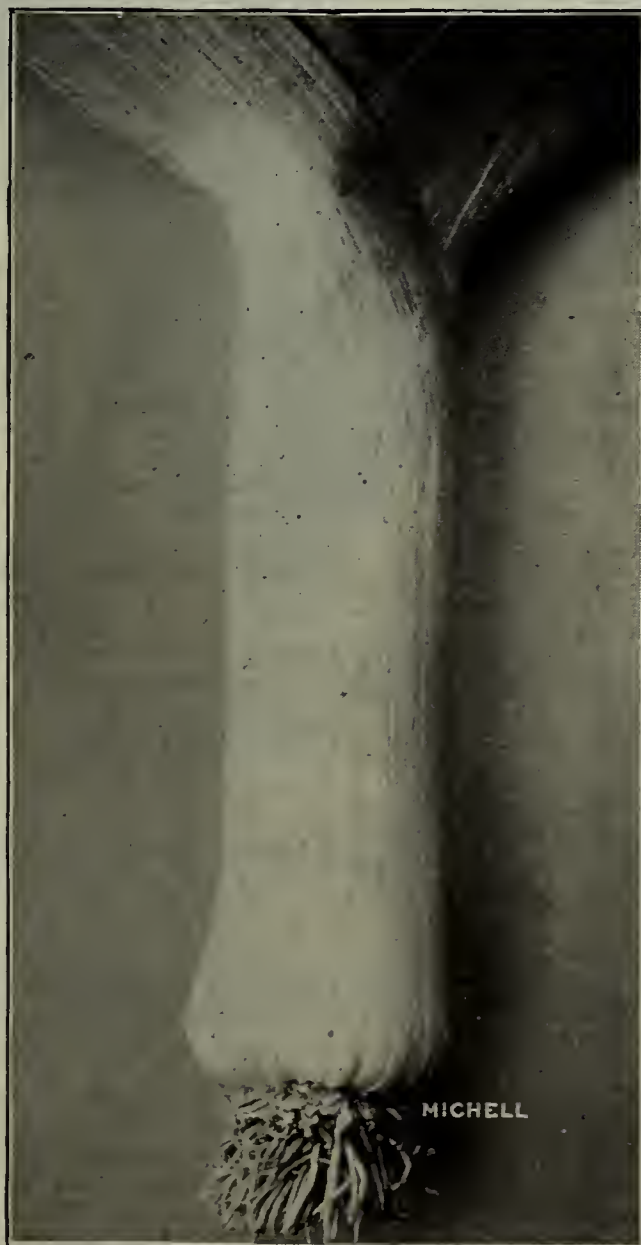
Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring an early maturity. Very finely grained and of excellent quality. Pkt. 5c. and 10c., 15c. per ½ oz., oz. 25c., 65c. per ¼ lb.

Earliest White Erfurt. A very small rooted sort; fine for forcing; exceedingly tender and sweet. Pkt. 10c., 15c. per ½ oz., oz. 30c., ¼ lb. 85c.

LAVENDER HERB (Perennial.)

This aromatic herb is grown largely for its flowers, which are very highly scented, cut and dried it is spread among linen and clothing to which it imparts an agreeable perfume. It also has the tendency of keeping away moths. Cultural directions are given in Leaflet No. 113. Pkt. 5c. (large pkt. 10c.), oz. 20c.

Lavender Plants. 10c. each, doz. \$1.00, \$6.00 per 100.



Giant Carentan Leek

MINT

This variety is the true spearmint used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years.

Seeds, 25c. per packet.

Plants, 10c. each, doz. \$1.00, \$6.00 per 100.

MUSTARD

One ounce will sow a row 75 feet long. Another one of the things the average person who gardens knows nothing of except in a prepared state as a condiment. It makes a delicious green salad, pungent in taste, highly palatable and healthy. It should be sown every two weeks in a row the same as spinach, for a continuous supply, beginning in April. It must be used while



A Mustard Plant

young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce salad for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes.

White or Yellow. 5c. per oz., ¼ lb. 15c., 40c. per lb.

MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are preserved the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so they stand 2 feet apart each way.

Proboscidea. Pkt. 5c. (large pkt. 10c.), 15c. ½ oz., oz. 25c., 75c. per ¼ lb.

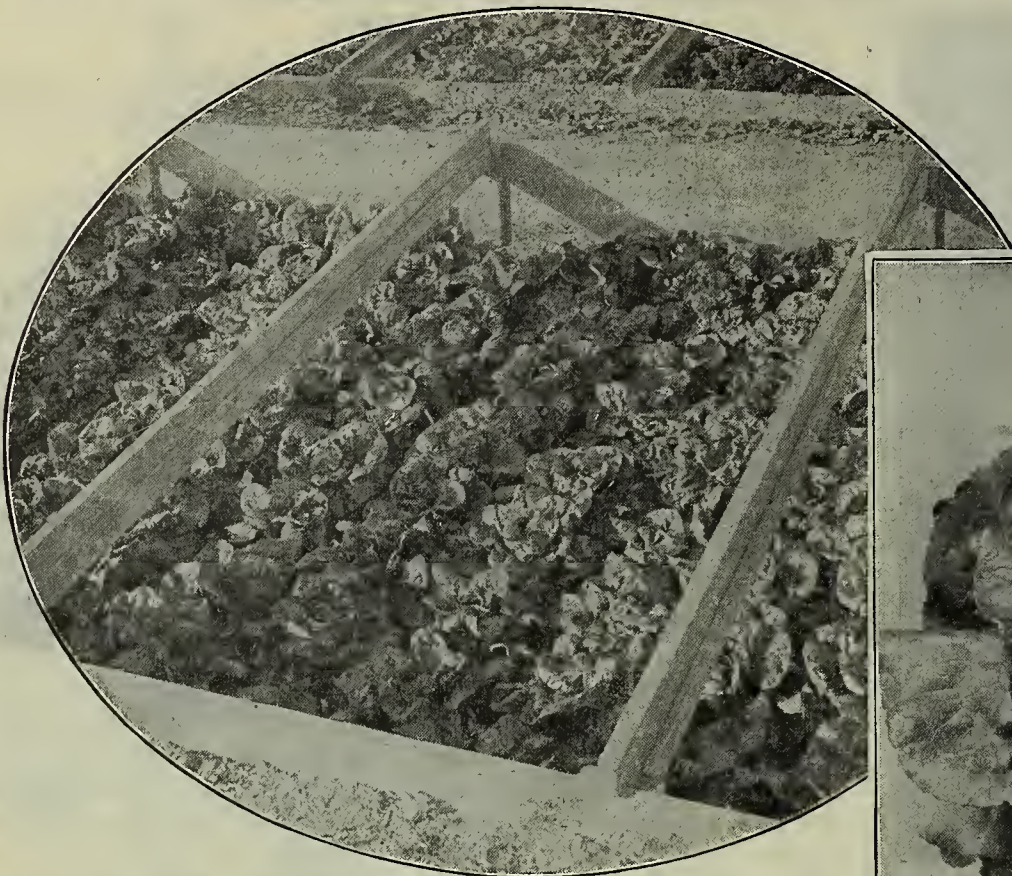
LEEK (One Ounce of Seed will sow 100 feet of drill.)

Allied to the onion family but producing no bulb, the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them, about Nov. 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

Giant Carentan. A variety which produces colossal stalks of tender quality, splendid for exhibition purposes. Pkt. 5c. (large pkt. 10c.), 15c. per ½ oz., oz. 25c., 65c. per ¼ lb., lb. \$2.00.

Large Musselburg. Of enormous size, mild flavor and tender. Pkt. 5c. (large pkt. 10c.), 20c. per oz., ¼ lb. 50c. \$1.60 per lb.

London Flag. Popular for the home garden, makes a longer but narrower stalk than others. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per ¼ lb., lb. \$1.60.



MICHELL'S "ALL RIGHT"
LETTUCE (See Cut)
"First in Spring—Last in Fall"



LETTUCE (One ounce of Seed will produce 2500 Plants)

Our Leaflet No. 115 covers the growing of it outdoors and under glass; ask for a copy with your order or otherwise.

HEADING VARIETIES (Kopf Salat)

Michell's All-Right. This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors; and for sowing in August for late autumn under sash or outside; where it is not affected by cold, which with some sorts turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. \$2.50.

Michell's Number One. This lettuce is a positive header under the most trying conditions. It is tender, of a decided buttery flavor, and immensely large. A valuable type for hot weather; also desirable for autumn use. This commands twice the price of other sorts, should not be used for forcing. Pkt. 10c., 15c. per ½ oz., per oz. 30c., \$1.00 per ¼ lb., per lb. \$3.00.

Michell's Spotted Dutch Butter (Private Stock). A medium sized head, light green leaves with a delicate yellow heart. The outer leaves are tinged with brown on the edges, hence the word spotted being applied. This desirable sort is suitable for forcing as well as sowing outdoors in summer. Pkt. 10c., 15c. per ½ oz., oz. 30c., \$1.00 per ¼ lb., lb. \$2.50.

Spotted Dutch Butter Lettuce (Usual Strain). Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 50c., \$1.50 per lb.

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size with a very tender full heart. Suitable for sowing under sash in the early spring; the outside leaves are tinged a golden brown. Pkt. 5c., 10c. per ½ oz., oz. 20c., 60c. per ¼ lb., lb. \$2.00

Big Boston. A large flat cabbage-headed variety, splendid for midsummer or fall use or under glass in the early spring and autumn, a delightful shade of light green tinged light brown on the outer leaves. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 60c., \$2.00 per lb.

Mammoth Salamander. One of the best of the midsummer varieties, resisting heat and drought wonderfully and remains in heading condition longer than many others. The heads are enormous, of a fresh green color; the loose leaves can all be used, as they are extremely brittle and tender. This strain is an improvement on the usual form. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per ¼ lb., lb. \$1.75.

All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor, can be used for sowing in frames or in early summer and spring outdoors. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. \$2.25.

Boston Market. Early small heading variety; one of the best for forcing; the heart is very solid, crisp and pure white. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., \$1.50 per lb.

Cabbage Head Giant. A monster head lettuce with a full heart, desirable especially for summer use; 6 heads will fill a half bushel basket. Pkt. 10c., 25c. per oz., ¼ lb. 80c., \$2.75 per lb.

California Cream Butter. A good all-round summer lettuce. Heads are large, compact and well formed. It has a decided buttery flavor. Pkt. 5c. and 10c., 15c. oz., ¼ lb. 40c., \$1.25 lb.

Davey's Improved Big Boston. Makes gigantic solid heads; excellent for under glass. 10c. pkt., ½ oz. 20c., 40c. per oz., \$1.25 per ¼ lb.

Emperor Forcing. For sowing in greenhouses or in hotbeds. Heads are not large but very solid. It does not make a suitable head outdoors. Color light green, heart tender and buttery. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., \$1.60 per lb.

Golden Queen. A very early sort for either outdoor or forcing; the leaves are light green while the heart is almost a golden yellow and very compact, while the head is small, when prepared it makes more edible lettuce than any other variety of the same size. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c.

Early Cabbage or White Butter. A wonderful producer of the largest sized heads; while an older variety, it still is in the lead. Excellent to sow in hotbeds for early spring use, while it may be used continuously until autumn. Color a light green with a rich delicate interior, very hardy. Pkt. 5c. and 10c., 15c. per oz., ¼ lb. 45c., \$1.50 per lb.

Hanson Improved. Tremendous solid heads; the outer leaves are curled; the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., \$1.50 per lb.

See opposite page for Plants adapted for making Lettuce Dressings

LETTUCE—Continued

HEADING VARIETIES—Continued

Iceberg. A summer variety, producing solid heads of fine quality; outer leaves are curled, similar to Wonderful which it resembles very much, except the heads are somewhat smaller. Pkt. 5c. 15c. per oz., $\frac{1}{4}$ lb. 45c.

Sensation. This is an ideal summer lettuce, or it may be sown under sash for early spring use; it forms heads very rapidly. Color a light green; quality delicate, and well flavored. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.75 per lb.

Silver Ball. A combination for either forcing or outdoor sowing, an excellent heat resister, heads small and compact. Color dark green, delicate buttery flavor. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Tennisball (Black Seeded). The head is small but very hard, it matures early and is especially desirable for forcing. There are very few outer leaves, and consequently little waste. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Tennisball (White Seeded, or Boston Market). Splendid early variety, forming fine hard heads of superior quality. One of the earliest, and splendid for forcing. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Unrivalled. Very large, light green and of a crisp nature. Very desirable for summer use. As a general all-round variety few lettuces can approach it. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Wonderful. Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves, a popular kind for summer. Pkt. 5c. and 10c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.75 per lb.

COS OR ROMAINE LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth and its decided flavor. To have it real tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. Pkt. 5c. (large pkt. 10c.), 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Trion Self-Folding. The peculiarity of this sort lies in the fact that the crown of leaves overlap each other which closes over the heart, thus rendering it self-blanching. It is very early and ready for use ahead of the Kingsholm variety. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per $\frac{1}{4}$ lb., lb. \$1.50.



Kingsholm Cos Lettuce

This type is sometimes called Celery or Cos Lettuce.

LOOSE LEAF OR CUTTING VARIETIES

If you are not fortunate enough to possess a hotbed, you may enjoy outdoor-grown lettuce just as early by sowing these varieties, as though you had sown head sorts under glass. It is surprising what quantity one can obtain from a very small space, whether for early or midsummer use. The seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class is always tender and is preferred by many to the heading varieties. Some sorts as mentioned should be cut instead of pulled, as they bear for a long while from the same root.

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. Pkt. 5c. (10c. per large pkt.), 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt. 5c. (10c. per large pkt.), oz. 15c., 50c. $\frac{1}{4}$ lb., \$1.50 per lb.

Early Curled Simpson (White Seeded). Similar to the above and adapted especially for earlier growing and use. Pkt. 5c., 10c. per large pkt., oz. 15c., 45c. per $\frac{1}{4}$ lb., lb. \$1.50.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color and when given plenty of room will form a large loose head. Pkt. 5c. (10c. per large pkt.), oz. 15c., 45c. $\frac{1}{4}$ lb., \$1.50 per lb.

Oak Leaved. An open flat headed variety which is a mass of foliage, shaped somewhat like that of an oak tree; a beautiful light green color. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per $\frac{1}{4}$ lb., \$1.50 per lb.

LETTUCE PLANTS

We can supply these at all seasons in Heading Varieties. 40c. per 100, (postpaid 50c.); \$3.00 per 1000.

PLANTS USED FOR GARNISHING AND FLAVORING LETTUCE

Tarragon (Estragon). This plant is perfectly hardy and once established remains for years, the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants 25c. each, doz. \$2.50.

Borage. This is an herb which has a broad fuzzy leaf, which are cut and distributed on the salad. Seed 5c. pkt., 10c. oz., $\frac{1}{4}$ lb. 35c.

Chervil. One of the most delicious flavoring plants in cultivation, the leaves resemble a fern leaf parsley, are finely cut and mixed with the lettuce, or they can be distributed as gathered on top. To have a succession, sow seed every two weeks. Seed 5c. pkt. (10c. per large pkt.), oz. 15c., 50c. $\frac{1}{4}$ lb., \$1.75 per lb.

Chives. This possesses a delicate onion flavor liked by many, it adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. It is hardy and needs to be planted once only. Clumps 10c. each, doz. \$1.00, \$7.00 per 100.

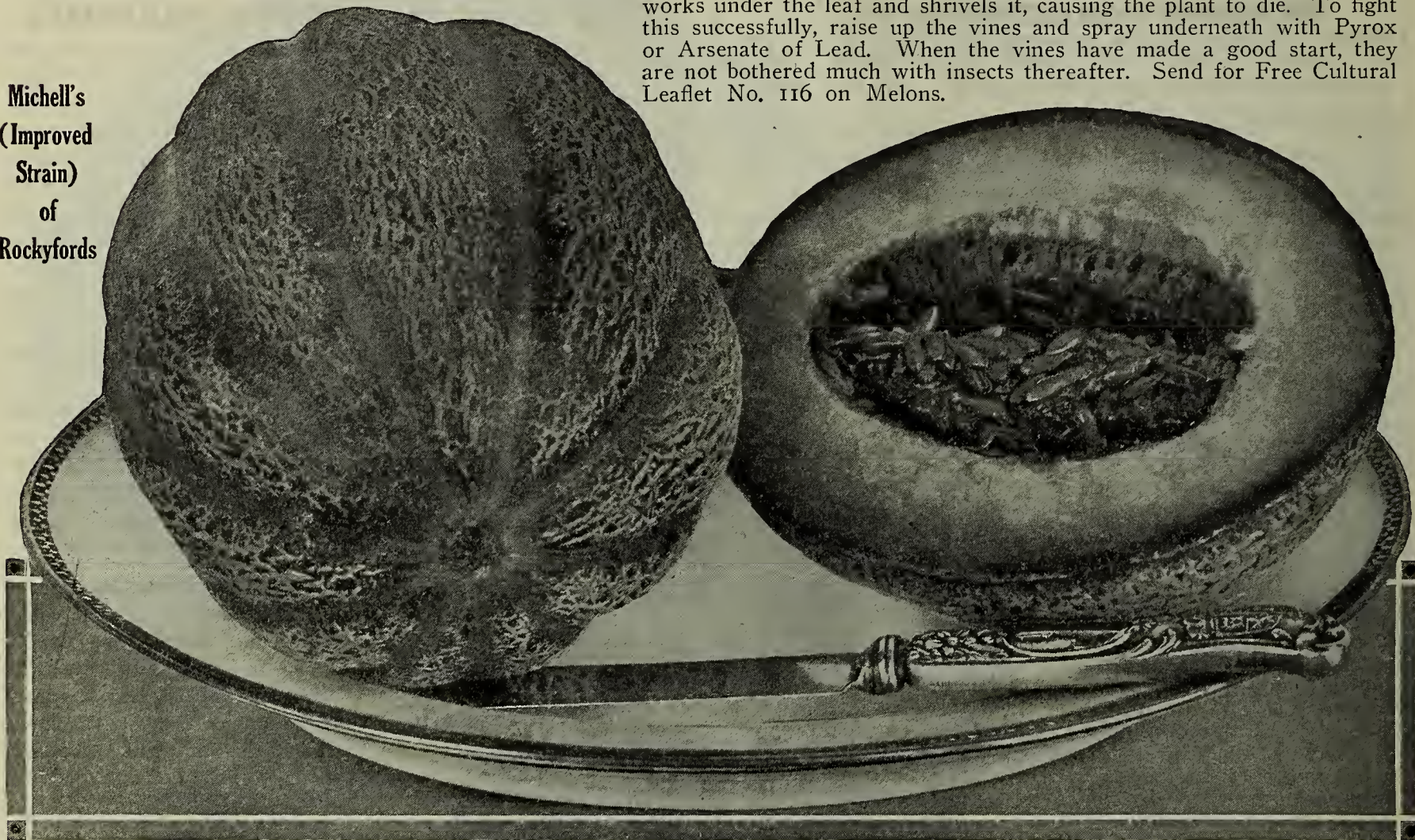
Summer Savory. An herb extensively used in Germany (where it is known as "Bohnen Kraut"), which adds a delightful flavor to a dish of lettuce. Seed 5c. pkt. (large pkt. 10c.), 15c. per oz., $\frac{1}{4}$ lb. 50c.

MICHELL'S MUSKMELON or CANTELOUPE

One ounce will plant 75 hills;
2½ lbs. for an acre.

While these do best or reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with Pyrox or Arsenate of Lead. When the vines have made a good start, they are not bothered much with insects thereafter. Send for Free Cultural Leaflet No. 116 on Melons.

Michell's
(Improved
Strain)
of
Rockyforde



Burrel Gem. Another melon from Colorado, in size and shape like the Rockyford, except the flesh is a rich orange. Its a mouth-melter and a dandy keeper, being shipped from the West extensively to the Eastern market, arriving always in the pink of condition. It is very fleshy, with only a small seed cavity. The spicy odor is one that impresses the host or guest favorably the minute the melon is brought on the table. Pkt., 5c. (10c. per large pkt.); 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

Defender. Salmon flesh, oval-shaped, of fine flavor; medium size, slightly ribbed; an older variety which lately has come into great demand on account of its good qualities. 5c. and 10c. pkt.; oz., 15c.; 40c. ¼ lb.; lb., \$1.25.

Eden Gem. An improved Rockyford, but more round in shape and not ribbed, but heavily netted; thick green flesh of delicious flavor. 5c. and 10c. pkt.; oz., 15c.; 50c. ¼ lb.; lb., \$1.50.

Emerald Gem. Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons, when you eat once of, you remember for a long while. Pkt., 5c. (10c. per large pkt.); oz., 15c.; 40c. per ¼ lb.; lb., \$1.25.

Extra Early Hackensack. A selection of the old Turk's Cap type, ripening fully a week earlier. It is well netted, deeply ribbed, making it ideal for cutting in slices on account of its large size. The flesh is light green, very thick and ripens well to the rind. The shape is even more flat than the Emerald Gem. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; \$1.00 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is really an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; is an early variety, is valuable and always prolific. The netted rind is very thin and can be eaten very closely. Pkt., 5 and 10.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

Golden Jenny (Netted Gem). This resembles the Fordhook variety in shape and style, except that it is not quite so good. Despite that, however, this is exceedingly prolific. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; \$1.00 per lb.

Golden West. One of the finest in existence. See page 10.

Hoodoo. Medium size, round shape, of deep orange color, exceedingly luscious, a healthy grower and heavy producer. Pkt., 5c. and 10c.; 15c. oz.; ¼ lb., 40c.; \$1.25 per lb.

Jenny Lind. A small, flat, very early sort, heavily netted and ribbed with green flesh, an altogether good variety to plant with others, using this for the first picking. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; \$1.00 per lb.

Michell's Delicious. This deservedly enjoys a good name, it is one of the very large irregular pumpkin-shaped melons with a smooth silver-gray rind. The flesh is very deep orange-salmon. Pkt., 15c. (2 for 25c.); 30c. per ½ oz.; oz., 60c.; \$2.00 per ¼ lb.

Michell's (Improved Strain) Rockyford. The outside is a light green, well-netted, changing to a grayish color. It is mostly all meat, with a very small seed cavity and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 5c. (large pkt., 10c.); 15c. per oz.; ¼ lb., 50c.; \$1.25 per lb.

FORCING MELONS

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

Blenheim Orange, Invincible-Scarlet, Windsor Castle. Each, per pkt., 25c.

Sutton's Ar. In original packets, 50c. per pkt.

MELON NETS. For supporting forcing melons in green-houses; made very strong, will last for a number of crops. \$1.00 per doz.; per 100, \$7.00.

MANGO MELON OR VINE ORANGE

The size, color and shape is like an orange; they are also called vegetable orange; excellent for preserving; vines produce frequently 25 to 30 fruits at one time. Pkt., 10c.; 20c. per ounce; ¼ lb., 60c.

On page 10 the new Musk Melon "Golden West," is described.

GRAND NEW WATERMELON, TOM WATSON

(See Cut)

A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities, the rind being tough it will resist plenty of abuse. Pkt. 10c., 15c. oz., $\frac{1}{4}$ lb. 40c., \$1.50 per lb.

WATER MELON

**One Ounce will plant Thirty Hills,
Four Pounds for an Acre**

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every three feet. A little land plaster dusted over the young plant will keep the beetle away. Water melons require planting after the soil has become thoroughly warm. Ask for Leaflet No. 116, which covers melon growing fully, mailed free if asked for.



Tom Watson Watermelon. See price and description above.

Halbert Honey. An ideal family garden or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green while the flesh is a rich crimson. It tastes like a sugar stick, as it melts under the pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 90c. per lb.

Kleckley Sweets. A sweet one to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind sets too close to the ripe fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt. 5c. 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

Black Boulder. A mammoth melon with very dark green, almost black rind; it is truly a boulder in a field and well deserves its name. The skin or rind is awfully resisting, covering a delicious mass of rich, red, crisp meat; a great producer and recommended for either home use or the market. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.

Cuban Queen. Very similar in description to Dixie, except the melon is of mammoth size; it is very solid and good for shipping or home use. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. lb.

Mountain Sweet. Early and very large, oblong shape, rind dark green; flesh red, solid and sweet, a gigantic variety from whence its name is derived. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Sweet Heart. Handsome oval shape, very large, green and mottled, solid, meaty and sweet, another one of the melons that appeals to one's palate by its inestimable sweetness. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 70c. per lb.

Florida Favorite. Large oblong fruit with striped skin; flesh is brilliant pink, of most delicious flavor; very solid and extremely juicy. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.

Dark Icing. Large in size, very sweet and luscious; the outside color is a dark green; excellent keeper. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.

Light Icing. Flesh bright red, outside color very light green, round in shape, similar to Dark Icing, except the color of the rind. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

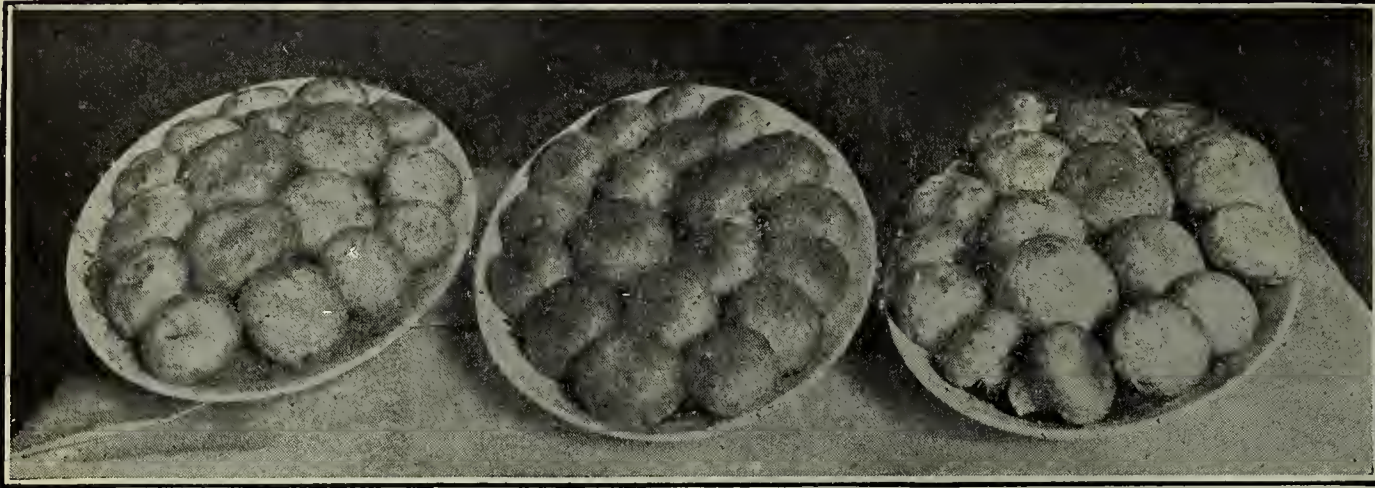
PRESERVING CITRON OR MELON

A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

Red Seeded. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 60c. per lb.

MANGEL WURZEL (See Cattle Beet on page 41)

Price on all Vegetable Seeds includes postage except where noted



MUSHROOM SPAWN

Mushrooms are within the reach of any one who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues in bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned

beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns.

BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain originating in the section of Pennsylvania that supplies the New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick	\$0.30	10 Bricks	\$2.30
" " postpaid .....	.40	25 "	5.60
5 bricks	1.25	50 "	10.50

LAMBERT'S AMERICAN PURE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type.

Standard No. 8 Cream White. For use from April to October.

Standard No. 9 Pure White. For use from October to April.

Prices of Pure Culture Spawn. Standard Bricks.

Per brick, about 1 3/4 lbs.	\$0.25	10 bricks	\$2.00
" " postpaid .....	.35	25 "	4.00
5 bricks	1.10	50 "	7.00

Direct No. 8 Cream White. For use from April to October.

Direct No. 9 Pure White Type. For use from October to April.

Prices of Pure Culture Spawn. Direct Bricks.

This strain is the earliest and produces a greater quantity than the "Standard."

Per brick	\$0.30	10 bricks	\$2.30
" " postpaid .....	.40	25 "	5.60
5 bricks	1.25	50 "	10.50

MICHELL'S SUPERIOR ENGLISH MUSHROOM SPAWN

15c. per brick (25c. postpaid); per doz., \$1.60; 25 lbs., \$2.50; \$8.00 per 100 lbs.



MUSHROOM OR HOT BED THERMOMETERS

Heavy Iron Point style..\$1.00 | Heavy Brass Point style..\$1.50
Thermometers should, wherever possible, be sent by express.

Books on Growing Mushrooms

Pamphlet (gratis for a postal card asking for it).

Robinson's Book (postpaid)\$0.50
Falconer's Book (postpaid) 1.00

TESTIMONIAL

SO. MANCHESTER, CONN.

HENRY F. MICHELL Co., Philadelphia.

Dear Sirs:—Enclosed please find a check due you, also an order for seeds. The *Mushroom Spawn* I got from you last fall is the best I ever had.

Yours truly,

PETER ZUGER.



Perkins' Improved Long Pod Okra

OKRA OR GUMBO

One Ounce will sow 20 ft. of row; one lb. about 300 ft.

The seed is sown in rows, thickly like peas (in ground that is rich, after the frost and cold has disappeared), in rows 3 feet apart, when about 6 inches high it should be thinned out to stand 6 inches apart in the row. The pod is used when young and tender sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun;

after cured in this way it should be put on the pantry shelf for use during the winter, in this way one may have delicious Chicken Gumbo soup any day of the year.

Perkins' Long Pod (Improved Strain).

A wonderful dwarf type, setting pods when only a foot high. It can be planted somewhat earlier than other sorts and consequently matures sooner. The pods are exceedingly long and tender and of a dark green color. Pkt. 5c., 10c. per oz., 1/4 lb. 25c., 70c. per lb.

Dwarf Green, Improved. A very desirable sort, immensely productive, bearing very long pods well filled. It is somewhat later than the Perkins strain and the pods are not quite so great in diameter. Pkt. 5c., 10c. per oz., 1/4 lb. 20c., 60c. per lb.

White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green almost white in color. Pkt. 5c., 10c. per oz., 1/4 lb. 20c., 60c. per lb.

MICHELL'S CULTURAL LEAFLETS

For the special benefit of the amateur (also the experienced gardener, if he wants them) we have prepared a series of instructions how to successfully grow some of the most important vegetables; they cover, in some instances, the proper cooking method and winter storage. **THESE LEAFLETS ARE FREE** and can be asked for at any time, whether accompanied by an order or otherwise. Ask for them by number, it saves time.

- No. of Leaflet
101 Artichoke.
102 Asparagus.
103 Garden Beans.
104 Beets (Table and Cattle).
105 Brussels Sprouts.
106 Cabbage.
107 Carrot.
108 Cauliflower.
109 Celery.
110 Sugar Corn.
111 Cucumber.
112 Egg Plant.
113 Herbs (Kitchen Garden).
114 Kohl Rabi.
115 Lettuce.
116 Melons.

- No. of Leaflet
117 Mushrooms.
118 Onions.
119 Peanuts.
120 Parsley and Parsnips.
121 Garden Peas.
122 Peppers.
123 Potatoes.
124 Pumpkin and Squash.
125 Radish.
126 Spinach.
127 Sweet Potatoes.
128 Swiss Chard.
129 Tomatoes.
130 Turnip and Ruta Baga.
131 French Winter Salads.

Always Sow Michell's "Evergreen" Grass Seed

**Prizetaker Onion**

Southport White Globe. A beautiful type of an almost round onion, growing to enormous size. Pkt. 5c. and 10c., 15c. per ½ oz., oz. 30c., 80c. per ¼ lb., lb. \$3.00.

Southport Red Globe. The description of this is the same as of Southport Yellow Globe except color. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per ¼ lb., lb. \$2.25.

White Barletta. Extra early small round variety used principally for pickling. Pkt. 5c. (10c. per large pkt.), 15c. per ½ oz., oz. 25c., 70c. per ¼ lb., lb. \$2.50.

Bermuda White. An early variety producing an immense globe-shaped bulb, producing (if when transplanted about 4 inches apart) gigantic onions the first season. Pkt. 10c., 15c. per ½ oz., 1 oz. 25c., 75c. per ¼ lb., 1 lb. \$2.75.

Bermuda Red. Similar in every way except color to the foregoing variety. Pkt. 10c., 15c. per ½ oz., 1 oz. 25c., 75c. per ¼ lb., 1 lb. \$2.75.

ONION SETS One quart will plant a row about 50 feet.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb in the ground lightly and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in 5 weeks from time of planting, while those grown from seed cannot be used until well in the autumn.

Shipped on Local Orders about March 10, unless otherwise requested

If wanted by mail add 5c. per pint and 10c. per quart for postage.

	Pint	Quart	Quarts	Peck	Measured Bush.
Yellow	\$0.10	\$0.20	\$0.70	\$1.25	\$4.25
White	.13	.25	.90	1.50	5.75
Red	.13	.25	.90	1.50	5.75
White Multiplier	.15	.25	.90	1.50	5.75
Potato Onion	.15	.25	.90	1.50	5.75
Shallots	.15	.30	1.10	2.00	6.00

Tree or Top. Can be supplied in Sept. and Oct.

Garlic Sets. Per lb. 30c. (38c. by mail postpaid), 10 lbs. for \$2.50.

PRICES on ONION SETS are SUBJECT TO CHANGE

ONION

For full size onions, one ounce seed will sow a 100 ft. row; 5 to 6 pounds per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when three inches high, so that they stand about two or three inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping. Cultural Leaflet No. 118 gives excellent instructions in regard to onion growing. Ask for a free copy.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplanted where it is to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. 10c. per pkt., ½ oz. 20c., 35c. oz., ¼ lb. \$1.00, lb. \$3.50

Prizetaker. This mammoth yellow variety if sown thinly produces full size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. and more. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per ¼ lb., \$2.00 per lb.

Danver's Yellow Globe. This almost round in shape onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to large size. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per ¼ lb., lb. \$2.00.

Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per ¼ lb., lb. \$2.00.

Yellow Strasburg (or Dutch). A dark straw color skinned sort, almost flat in shape but a large onion. Its fine keeping qualities is what recommends itself to the home as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets more of this variety is sold than any other; one of the best winter keepers. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per ¼ lb., lb. \$1.50.

Large Red Wethersfield. A flat large growing variety. This class are excellent winter keepers, being flavored much like the yellow sorts; full size onions can be grown from the seed in one season. Pkt. 5c. (large pkt. 10c.), oz. 15c., ¼ lb. 40c., lb. \$1.50.

White or Silver Skin. The standard white onion for market or home use, it is of very mild flavor, semi-globe shaped and is very uniform in growth and size. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., 25c. per oz., ¼ lb. 70c., \$2.50 per lb.

ONION CULTURE, a good book by a Practical Grower, 20c. per copy

**Choice Home Grown Onion Sets**



MICHELL'S GARDEN PEAS

1 qt. will plant 100 ft. of row, one and a half to two bushels per acre

If wanted by mail add 8c. per pt., 15c. per qt. for postage.

Large Pkts. of all Varieties 10c. Postpaid.

The smooth seeded varieties can be sown as soon as the ground is open; the wrinkled sorts when the ground has become warmer. The distance for planting apart depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and again August 15th. For the last planting, 60 days before frost, use the dwarf early varieties. Cultural Leaflet No. 121 covers the growing of peas thoroughly, it is free.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded, very early, height 2½ feet. 20c. per pt.; 35c. per qt.; 4 qts., \$1.25; \$2.00 per peck.

Ameer. A very large podded early pea, following the Alaska. It is a heavy cropper. Pt., 20c.; 40c. qt.; 4 qts., \$1.40; \$2.50 per pk.

American Wonder. The earliest wrinkled dwarf variety, exceedingly sweet, height 10 to 12 inches. 20c. per pt.; per qt., 35c.; \$1.25 per 4 qts.; peck, \$2.25.

Bountiful. A bluish round pea of large size. The pods are very large and well filled; it is very early, a good cropper, suited to the first and last planting, grows 24 to 30 inches high. Pt., 20c.; 35c. qt.; 4 qts., \$1.25; \$2.25 per peck.

Dandy Extra Early. These are a selection of the Eureka, but will be found far superior; smooth seeded, very prolific and desirable for the kitchen garden, height 24 inches. Per pt., 20c.; 40c. per qt.; per 4 qts., \$1.50; per peck, \$2.75.

Early June. A green seeded smooth pea, desirable for first planting, an improvement on Alaska; height, 2½ feet. 20c. per pt.; per qt., 35c.; \$1.25 for 4 qts.; peck, \$2.00.

Early Morn. One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thos. Laxton. The pods are large and well filled, mature in 60 days and is very prolific. Pt., 20c.; 40c. per qt.; 4 qts., \$1.40; \$2.75 per peck.

Eureka. A great producer and extremely early, smooth seeded; height, 24 inches. 15c. per pt.; qt., 30c.; \$1.10 per 4 qts.; per peck, \$2.00.

Premium Gem (or McLean's Little Gem). Similar to American Wonder, but a heavier producer, wrinkled seed; height, 18 inches. 20c. per pt.; per qt., 35c.; 4 qts., \$1.25; \$2.25 per peck.

Laxtonian. A real sweet marrowfat extra early variety, growing about 12 inches high; very prolific and deserves extensive planting. Pt., 20c.; 40c. qt.; 4 qts., \$1.40; \$2.50 per pk.; bushel, \$10.00.

Gradus Peas

Gradus or Prosperity. Never was there a pea offered which is so greatly demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. 25c. per pt.; qt., 50c.; 4 qts., \$1.75; per peck, \$3.00.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pt., 20c.; 40c. qt.; 4 qts., \$1.40; \$2.50 peck.


Michell's Special Ex. Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender, a grand yielder; height, 24 inches. 25c. per pt.; 50c. per qt.; 4 qts., \$1.75; \$3.25 per peck.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. 25c. per pt.; qt., 45c.; 4 qts., \$1.50; \$2.75 per peck.

Nott's Excelsior (Usual Strain). Pt., 20c.; 35c. per qt.; per 4 qts., \$1.20; peck, \$2.25.

MICHELL'S GARDEN PEAS—Continued

Large Pkts. all Varieties 10c. Postpaid

 If wanted by mail add 8c. per pt., 15c. per qt. for Postage

EXTRA EARLY VARIETIES—Continued

Saxonia. One of the earliest peas, producing pods $3\frac{1}{2}$ inches long. The vines grow about 2 feet high and are very vigorous. It is a white seeded variety with a round pod. 25c. pt.; qt., 40c.; \$1.50 for 4 qts.; peck \$2.75.

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted very early. It is dwarf, growing about 16 inches and makes a long broad pod, well filled; it follows the extra sorts and is a great producer. Pt. 25c.; 40c. qt.; 4 qts, \$1.40; \$2.25 per peck.

Thos. Laxton. On a par with Gradus in quality, heavy producer, wrinkled, exceedingly early; height, 36 inches. 25c. per pt.; qt., 45c.; \$1.50 for 4 qts.; pk., \$2.75.

SECOND EARLY VARIETIES

Alderman. A very large pod filled with luscious peas; plants grow 3 feet high and are very prolific. Per pt., 20c.; 35c. per qt.; 4 qts., \$1.25; pk., \$2.25.

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. Per pt., 15c.; 30c. per qt.; per 4 qts., \$1.00; \$1.80 per peck.

Daisy or Dwarf Telephone. One of the best medium early sorts, bearing heavy pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. Per pt., 20c.; 35c., per qt.; \$1.25 for 4 qts.; pk., \$2.25.

Harvester (New) This is a grand variety for the home garden. The past summer, under adverse conditions, this variety yielded handsomely compared with other varieties at our trial ground. The pods contain frequently as many as 10 peas of delicious quality. It is wrinkled, grows about 18 inches high and is a grand producer. 35c. per pt.; qt., 60c.; \$2.20 for 4 qts.; peck, \$4.00.

Heroine. A fine wrinkled variety, claimed to be one of the finest peas in existence; height, 2 feet; a great cropper. Per pt., 20c.; 35c. per qt.; 4 qts. \$1.25; peck, \$2.25.

Long Island Mammoth. Largely in use among private and market gardeners; it yields handsome large peas, very tender; height, $3\frac{1}{2}$ feet. Per pt., 20c.; 35c. per qt.; 4 qts., \$1.25; pk., \$2.25.

Pride of the Market. An excellent dwarf variety for early summer use; pods containing as many as nine peas. Per pt., 20c.; 35c. qt.; 4 qts., \$1.15; pk., \$2.00.

Quite Content. An improved variety of Alderman having a large pod, frequently $5\frac{1}{2}$ inches long, which contains often 9 to 10 peas, it grows usually 5 to 6 ft. high, and is in bearing a long while: one of the best of the recent English introductions. 25c. pt.; qt., 45c.; \$1.50 per 4 qts.; peck, \$2.75.

GENERAL OR LATER CROP VARIETIES

Black Eye Marrowfat. Excellent where a large crop is desired. It is one of those mealy sorts usually cooked with smoked or salt meats; height, 4 feet. 15c. per pt.; 25c. per qt.; 90c. per 4 qts.; peck, \$1.50; \$6.00 per bu.

Champion of England. A very tall rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Per pt., 15c.; 30c. qt.; 4 qts., \$1.10; \$1.75 per peck.

Dwarf Champion. Possesses most all the good qualities of the famous Champion of England, and having the further advantage of being dwarf; a very delicious pea which should be planted largely; height, 2 feet. Per pt., 20c.; 35c. per qt.; \$1.25 for 4 qts.; pk., \$2.25.

Fillbasket. Market gardeners and those desiring a large crop should plant this pea; quality very good; height, 30 inches. Per pt., 15c.; 30c. per qt.; 4 qts., \$1.10; pk., \$2.00.

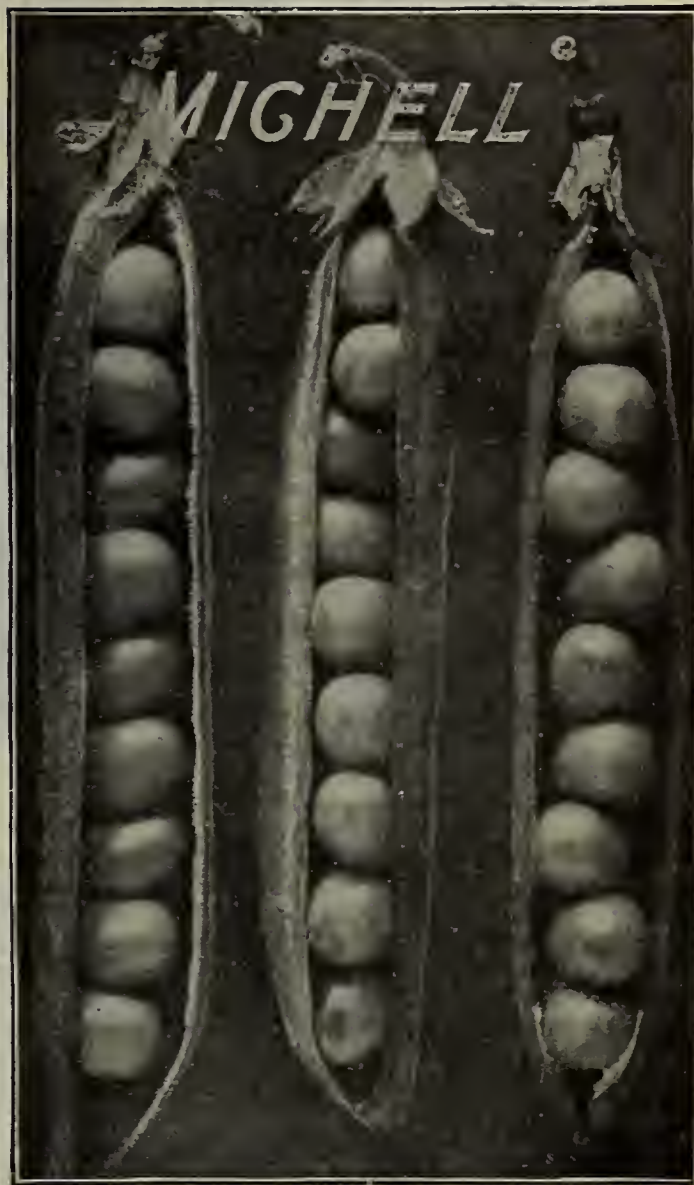
Stratagem (Improved). Immense pods containing an abundance of good, large tender peas; seed wrinkled; height, 20 inches. Per pt., 20c.; 35c. per qt.; 4 qts., \$1.25; \$2.25 per peck.

Telephone (Tall). The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, $3\frac{1}{2}$ feet. Per pt., 20c.; 35c. per qt.; 4 qts., \$1.15; \$2.00 per peck.

White Marrowfat. Another mealy variety used for cooking with meats; height, 3 feet. 15c. per pt.; 25c. per qt.; 90c. for 4 qts.; pk., \$1.50; \$6.00 per bu.

SIX FIRST CLASS PEAS

Michell's Spec. Ex. Ea., Alderman, Harvester, Gradus, Thos. Laxton, Quite Content.



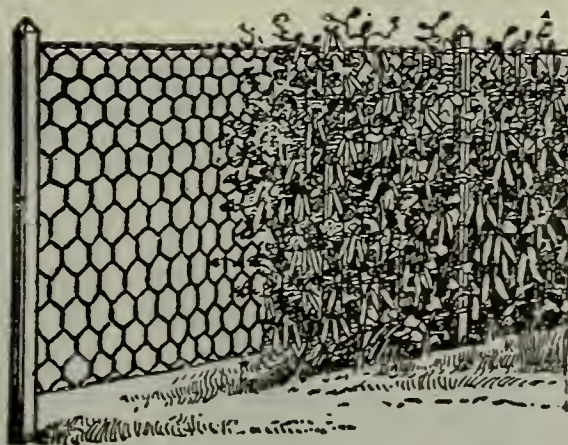
Michell's Tall Telephone Peas

SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. The latter are cooked with the peas intact. They are very tender and exceedingly sweet.

Dwarf Sugar. Gray seed; height, 2 feet. 20c. pt.; 40c. per qt.; \$1.50 for 4 qts.; peck, \$2.75.

Melting Sugar. White seed; height, 4 feet. 20c. pt.; qt., 40c.; \$1.50 per 4 qts.; peck, \$2.75.



PEA TRELLIS

The ideal support for garden peas, neater, more economical than brush; can be rolled up when through with and stored, taking very little space. Made of strong galvanized netting and substantial uprights, neatly painted and finished; indestructible and will last for years. Ten ft. sections, 48 inches high, \$1.00 per section; 10 sections for \$8.50.

Farmogerm for Garden Peas. Means bigger crops, healthier vines, early and more continuous crops. Per trial bottle 50c.; \$2.00 per acre bottle. It will pay you to use this when you plant peas. (See page 31).

TIME OF SHIPMENT.

Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship them at customers risk any time during cold weather.

Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 30c. each for barrels.

Prices of larger quantities of White Potatoes than quoted below on application; for the reason that the value of potatoes fluctuates constantly. Customers, however, entrusting us with their orders, will be assured that they will be charged the lowest possible price for strictly Maine grown seed.



Michell's "Beats Them All" Seed Potatoes

EARLY SORTS

Beats Them All (Michell's). This famous variety was sent out by us, and has given the best results wherever tried, yielding more than any other early potato, quality fine, extremely early, coming in about one week or ten days earlier than Early Rose. $\frac{1}{2}$ pk., 40c.; 75c. per pk.

Beauty of Hebron. Somewhat earlier than Early Rose, otherwise very similar, good yielder. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Bliss Triumph or Red Bliss. A very early thin-skinned variety, they are frequently offered as southern or Bermuda grown potatoes. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Bovee. Earlier than Early Rose; good form and quite a yielder; quality excellent; pink flesh; cooks white; dwarf in growth. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Early Ohio. A seedling of the Early Rose, ripens about a week earlier; excellent quality. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Early Rose (Houlton or Maine). A leading variety for earliness, quality and productiveness. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Early Standard. Extremely early, good keeper, uniform in size, producing principally large potatoes. Pure white cooker. $\frac{1}{2}$ pk., 35c.; 60c. per pk.

Irish Cobbler. A splendid sort, almost entirely round in shape; good quality; heavy producer. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Noroton Beauty. The earliest and most productive potato grown, and of superb table qualities. It is the best all-round potato in existence; red skin. $\frac{1}{2}$ pk., 40c.; 65c. per pk.

LATE OR GENERAL CROP VARIETIES

Carman No. 3. A handsome yielder; produces potatoes of the most excellent quality. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Green Mountain. An excellent general crop variety. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

Sir Walter Raleigh. A white-skinned main crop potato, resembling Rural New Yorker. One of the best of the late sorts. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

State of Maine. An old favorite, grown by every gardener; good keeper. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

White Star. As a kitchen garden variety, or sort for commercial use, there are few as good; excellent for baking; long in shape. $\frac{1}{2}$ pk., 30c.; 50c. per pk.

We can also supply all other varieties of Seed Potatoes.

POTATO SCAB DESTROYER

A pint of solution which dilutes in water is sufficient for treating 20 bu. of potatoes, which should be laid therein for 2 hours before cutting. Pt. 50c.

PLANTS OF SWEET POTATOES (See page 69)**SELECTED SEED SWEET POTATOES**

Yellow Nansemond. Qt., 20c.; $\frac{1}{2}$ pk., 60c.; pk., \$1.10; $\frac{3}{8}$ bu. basket, \$1.75.

Red Nansemond. Qt., 20c.; $\frac{1}{2}$ pk., 60c.; pk., \$1.10; $\frac{3}{8}$ bu. basket, \$1.75.

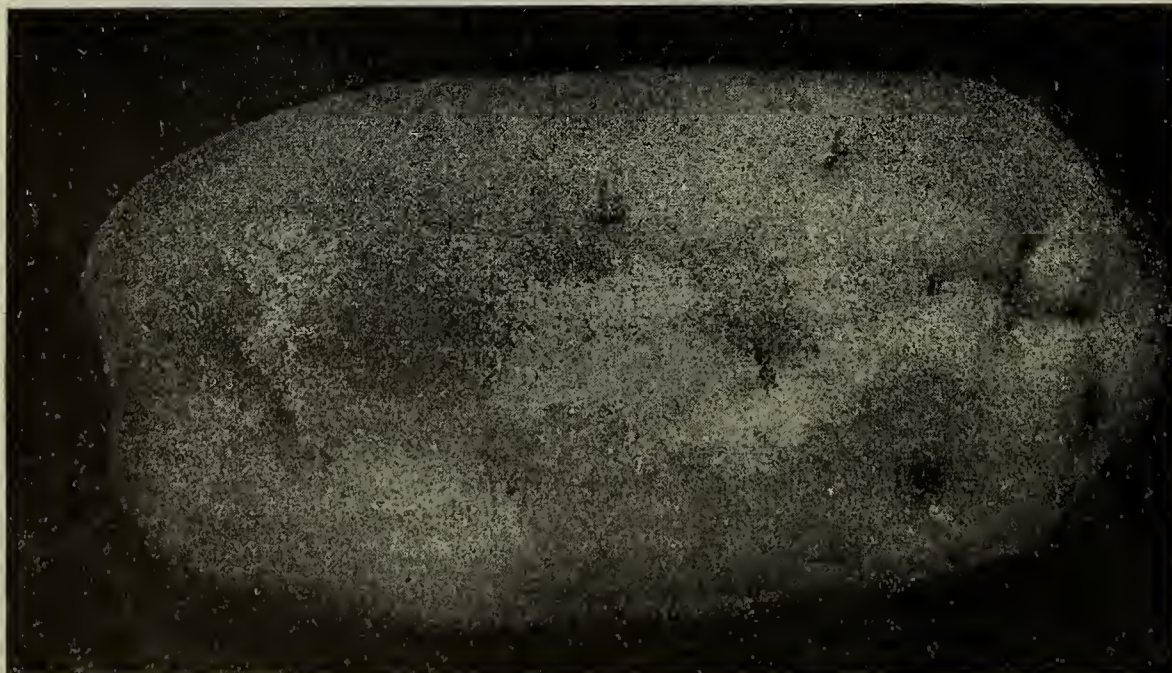
Owing to the perishable nature of Sweet Potatoes, all shipments of these are made at purchaser's risk, and can be sent by **express only**.

SPECIAL OFFER—FREE

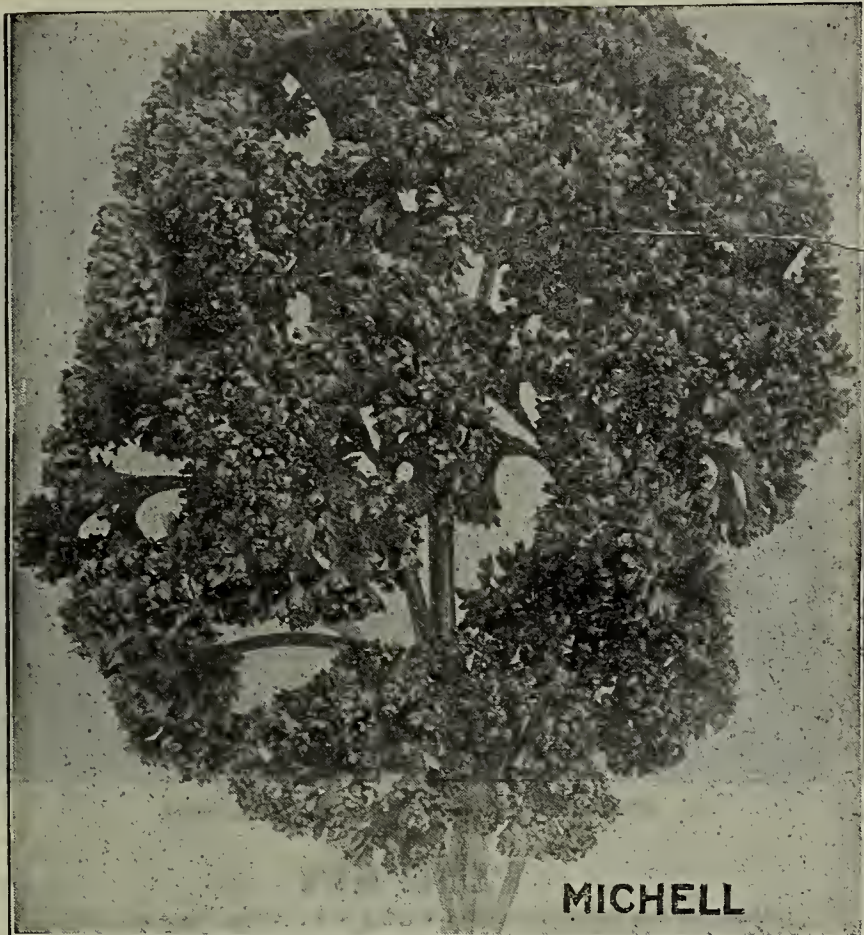
To each purchaser (desiring it) ordering 1 bbl. sack or more of any one variety of Seed Potatoes, if asked for, we will **mail free** or include with order, where possible, a copy of **Potato Culture** (by Rogers). This book costs 50c. and can be bought independent of a potato order at this price.

CONCAVE POTATO KNIVES

For cutting out the eyes of seed potatoes prior to planting. Made of best steel with concave blade. 25c.; 3 for 70c., postpaid.



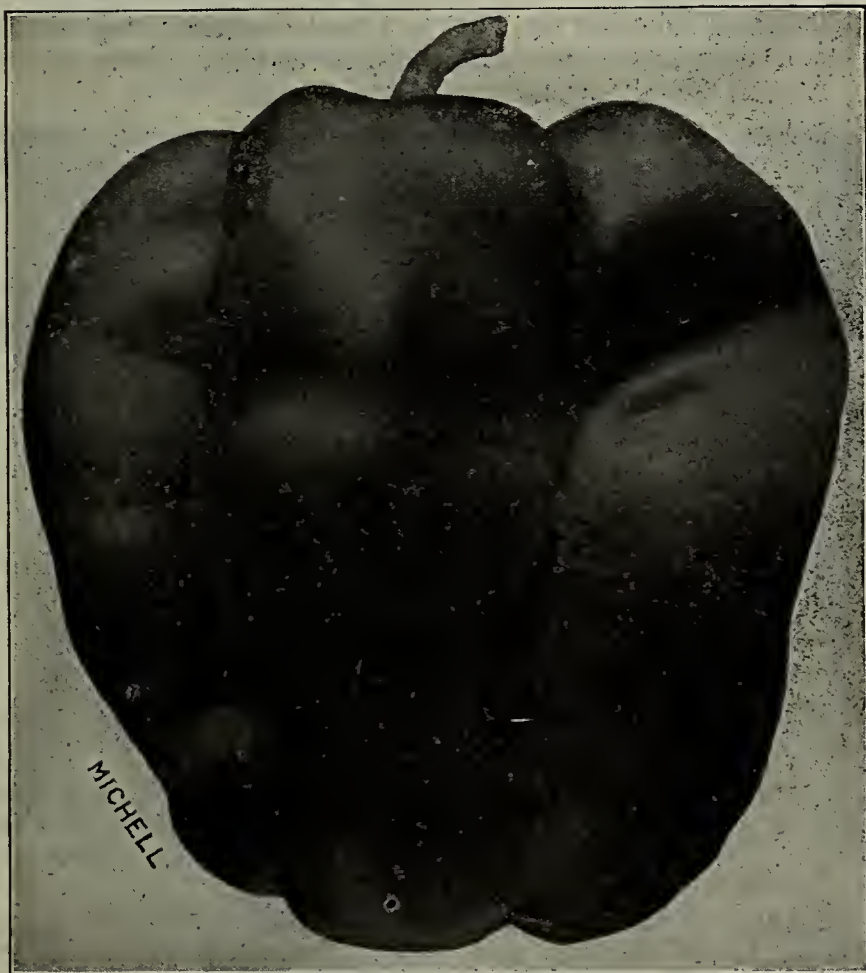
Michell's "Early Rose" Seed Potato



Double Curled Covent Garden Parsley

PARSLEY PLANTS (*Ready in April*)

Large specimens, pot-grown, ready for use. 50c. per doz., per 100 \$4.00. These plants cannot be mailed satisfactorily.



Chinese Giant Pepper

PEPPER PLANTS (*Ready in May*)

Pot Grown Plants. 50c. per doz., per 100 \$4.00.

Hotbed Grown. 20c. per doz., per 100 \$1.25.

PARSLEY One ounce will sow a row 100 ft. long

After soaking the seed for a few hours in warm water, it may be sown in rows 18 inches apart and when 2 inches high thin out to stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is a necessary requisite. Cultural directions are fully covered in Leaflet No. 120, ask for a copy.

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt. 5c., 10c. per oz., ¼ lb. 35c., \$1.25 per lb.

Double Curled or Covent Garden. A great improvement over all other varieties; a nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt. 5c. (10c. per large pkt.), 15c. per oz., ¼ lb. 40c., \$1.50 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt. 5c. (10c. per large pkt.), oz. 15c., ¼ lb. 50c., \$1.50 per lb.

TESTIMONIAL

Bozeman, Montana.
Thanks for promptly filling my order. We've
always been pleased with your seeds.
TRACY FLORAL CO.

PEPPER One ounce of seed produces 1200 plants.

Sow the seed in a hotbed or window box about March 1st, transplant to the open when all danger from frost is over. Set plants in rows 3 feet apart, 15 inches in the row. For complete cultural directions send for Leaflet No. 122, mailed free or included with orders.

New Apple Pepper. A variety of novel appearance, having the form of an apple standing upright on the plant; first green it afterwards turns a brilliant red, very mild in flavor. For prolificness nothing can surpass it, beginning very early it continues to bear until killed by frost; about 3 inches in diameter. Choice seed grown at our Evergreen Seed Gardens (limited supply). 10c. pkt., 3 pkts. 25c.

Chinese Giant. This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes. Pkt. 10c., 30c. ½ oz., oz. 50c., \$1.50 per ¼ lb.

Large Bell or Bull Nose. The standard pepper for either market or home consumption. Very thick flesh, perfectly mild, and a great producer. The large fruits are green, but later turn a vivid scarlet; fine for slicing on tomatoes or stuffed as mangoes. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 30c., \$1.00 per ¼ lb.

Neapolitan. This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. Pkt. 10c., ½ oz. 20c., oz. 35c., \$1.00 per ¼ lb.

Large Sweet Spanish. A variety rivaling with Chinese Giant, is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Hot Bull Nose. This variety is identical with the Sweet sort bearing the same name, except it is used where a stronger flavor is wanted and cannot be served as a mango. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., 30c. per oz., ¼ lb. \$1.00.

MISCELLANEOUS PEPPERS

Cayenne. A long red variety, very hot and used principally for bunching with pot herbs. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 25c., 80c. ¼ lb.

Celestial. A Chinese variety bearing roundish upright pods of various colors on one bush, this makes a decorative plant for the garden. Pkt. 5c., ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Ruby Giant (New). Very large; adapted for stuffing; mild flavor. Pkt. 10c., 25c. ½ oz., oz. 40c., \$1.25 per ¼ lb.

Golden Dawn. A large yellow variety, shaped like the Chinese Giant, very sweet. Pkt. 5c., ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Red Cherry. A small upright growing sort; very hot in flavor. Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per ¼ lb.

Ruby King. A large red variety resembling Bull Nose. Pkt. 5c., ½ oz. 15c., oz. 30c., 90c. per ¼ lb.

Small Chili. Used principally for seasoning and making sauce; the small very narrow red pods are very hot; in a dried state they are an excellent tonic for the parrot. Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per ¼ lb.

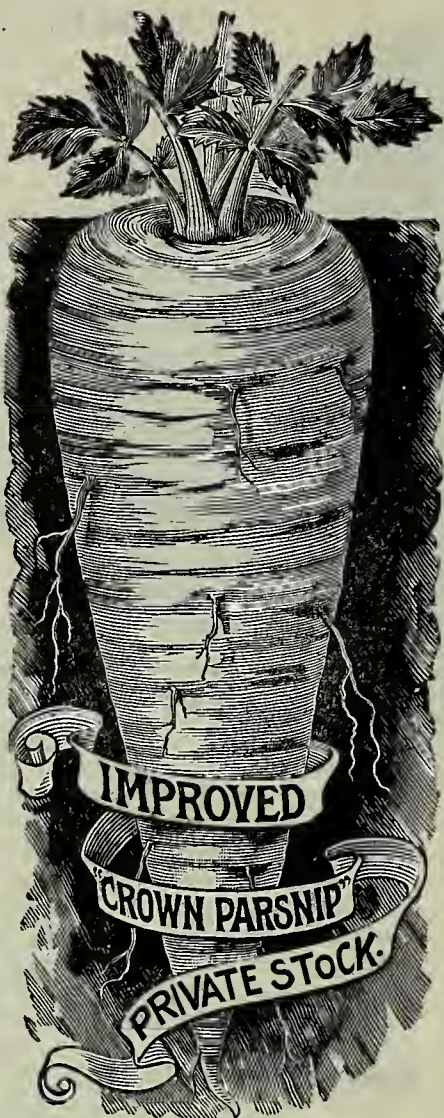
PARSNIP

One ounce will sow a row 150 feet long; 5 lbs. per acre.

Sow early in the spring in drills about 24 inches apart, covering the seed slightly, when the plants are 2 or 3 inches high, then thin out so the roots will develop; cultivate well during the growing season. The roots are especially good when slightly frosted; they may be left in the ground all winter or taken up and stored in the cellar. There are several ways of preparing them for the table, the best one probably being browning or roasting them in the oven with a choice roast of meat; cooked in this manner they excel the finest sweet potato. Send for Cultural Leaflet No. 120 on growing and storing parsnips.

Improved Sugar or Hollow Crown. A very thick broad-topped root, which makes it easily lifted. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white, it yields enormous crops growing to a large size. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. lb.

Gurnsey or Student. Slightly shorter than the Hollow Crown variety with a somewhat broader top or shoulder; it can also be sown a trifle later if necessary. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. lb.



PEANUTS

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake, most any well drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen. A few important points are necessary in growing them and these are elaborated on in special Culture Leaflet No. 119, which may be had free for the asking.

Selected Virginia, 15c. pint (by mail 20c.), 25c. qt. (by mail 35c.), 50c. for 4 qts., peck 75c.

POT MARIGOLD HERB (Annual)

Used extensively for medicinal purposes of various kinds. See Cultural Leaflet No. 113 covering herbs. Pkt. 5c., 10c. per ½ oz., oz. 15c.

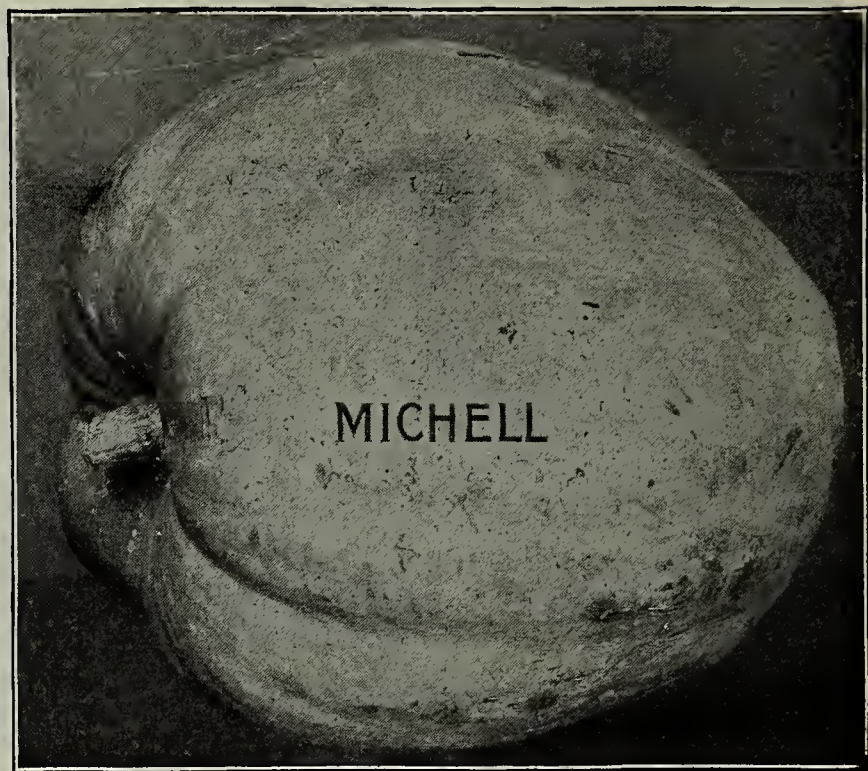
ILOILO (PANAY), PHILLIPINE ISLANDS.

Send me at once the enclosed order. Your seeds beat anything I've ever had in that line.

CAPT. JESSE M. BAKER,
Quarter-Master, U. S. A.

SANTA LUCIA, HONDURAS,
CENTRAL AMERICA.

Please send me this order at once, despite being over 5,000 feet above sea level here, your seeds have always been satisfactory.
H. A. OWEN.



Pumpkin—Large Tours or Mammoth

PUMPKIN

One ounce will plant 25 hills; 4 to 6 lbs. for an acre.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working. Cultural Leaflet No. 124 covers pumpkin growing, and is free.

Large Tours or Mammoth. The biggest pumpkin in cultivation, producing fruits that often weigh 200 lbs. When fully ripened it is of a golden orange color, free from stringiness and ideal for pie-making or cooking. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 lb.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit with a very light buff yellow skin, for pies it is delicious, while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt. 5c., 10c. oz., ¼ lb. 25c., 85c. per lb.

Large Cheese. A very large, flat, ribbed fruit, of a beautiful buff yellow color; the interior is of fine quality. An enormous producer, ideal for market or home gardens and canning purposes. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 85c. lb.

Japanese Pie. A crook-necked variety, deep green striped darker, which turns to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed which are curiously marked like Chinese letters of the alphabet. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 lb.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner there is complete without the palatable pumpkin pie, made from this variety. This is also used for making Jack-O-Lanterns, for which purpose it is well suited on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh golden orange when ripe. 5c. pkt., oz. 10c., 30c. per ¼ lb., lb. \$1.00.

Cashaw or Golden Crook Neck. A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt. 5c., 10c. per oz., ¼ lb. 30c., \$1.00 per lb.

Connecticut or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. 5c. per oz., ¼ lb. 15c., 50c. per lb., 5 lbs. \$1.50.

Rettig (Ger.)

RADISH

Radis (Fr.)

One ounce of seed will sow a row about 75 feet long;
8 to 10 pounds are required for an acre

Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. There are many varieties now from which a selection can be made for sowing at almost any season of the year, with proper facilities. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in cool cellars and covered with sand.

EARLY SORTS

Brightest Scarlet, Half Long. Entirely distinct, being a vivid scarlet color, tipped with white. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 60c. per lb.

Cardinal or Scarlet Globe. The very best forcing variety, is of globular shape and brilliant cardinal red color. Pkt. 5c., 15c. per oz., $\frac{1}{4}$ lb. 35c., \$1.25 per lb.

Cardinal Globe (Improved Strain). This popular radish will be welcomed readily in an improved form, the color and shape are perfect. Pkt. 5c., 20c. per oz., $\frac{1}{4}$ lb. 50c., \$1.50 per lb.

Crimson Giant. Turnip shaped; very large and tender. Pkt. 5c., 15c. per oz., $\frac{1}{4}$ lb. 35c., \$1.00 per lb.

Early French Breakfast. Oblong shape, rapid grower, very mild and tender, of a beautiful scarlet color, tipped with white. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

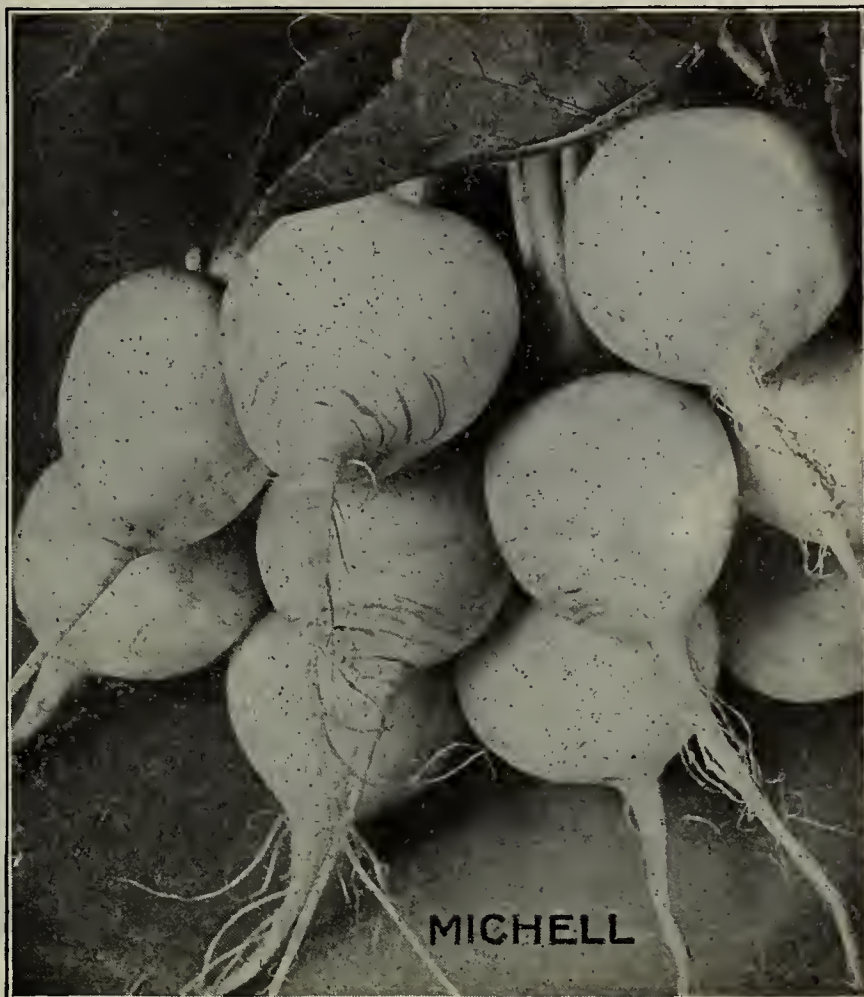
Fireball. Turnip shaped; brilliant scarlet color, crisp, tender, of mild flavor; useful only as a forcing variety or for early spring use. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

Icicle. A magnificent white variety of fine taste, grows $3\frac{1}{2}$ to 4 in. long in 22 days. Also suitable for summer. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

Icicle (Improved Strain). A selection of seed made from perfect roots, thus ensuring utmost uniformity. Pkt. 5c., 15c. oz., $\frac{1}{4}$ lb. 40c., \$1.25 per lb.

Long Scarlet Short Top or Salmon. The standard variety; long bright scarlet with small top. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. per lb.

Round Red Forcing or Button. Very quick in maturing. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

*Felton's Stock White Box Radish***EARLY SORTS—Continued**

Round White Forcing or Turnip. An excellent small solid variety. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 85c. per lb.

White Box, Felton's. (Private stock.) A selection of the old reliable White Box radish, more perfect form, producing shorter tops, and does not have a tendency to grow long in shape. Pkt. 5c., 15c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

White Box, Philadelphia Grown. Perfectly round, smooth skin, pure white. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

SUMMER SORTS

Beckert's Chartier (Long). Color bright salmon scarlet, shading to white as it approaches maturity; it is very crisp, tender, and of mild and pleasant flavor. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., 75c. per lb.

Golden Olive Shaped Yellow. An improvement on the old Yellow Globe sort. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 65c. per lb.

Large White Summer Turnip. Large, turnip-shaped, white, crisp and mild. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 60c. per lb.

Long White Lady Finger. A fine white, crisp and mild variety. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

White Strasburg. Oblong of a pure white color, and mild flavor. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 20c., 70c. per lb.

WINTER VARIETIES

California White Winter. Grows 8 to 10 inches long. One of the best for winter. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

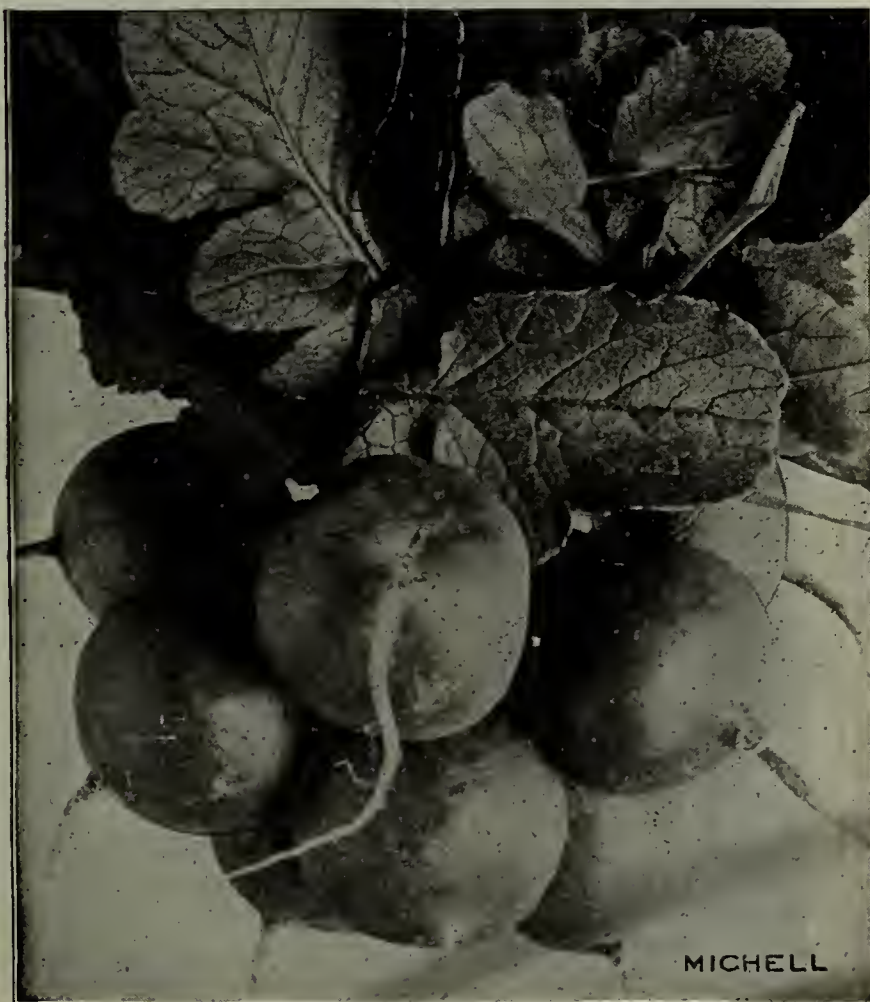
Celestial or White Chinese. Large size. Pure white, excellent keeper. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Half Long Black. A great improvement on the old Long Spanish Radish. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 30c., \$1.00 per lb.

Long Black Spanish. A favorite among winter sorts. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

Round Black Spanish. Like the above, except in form. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 75c. per lb.

China Rose. Bright rose color; flesh firm. One of the best for winter use. Half-long in shape with a scarlet blunt tip. Winter radishes should be cultivated more extensively than what they are. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 70c. per lb.

*Michell's Private Stock Cardinal Globe Radish*



The method of placing a barrel without a bottom over a Rhubarb clump has a tendency to draw up the length of the stalks, thus increasing the yield.

RHUBARB

This can be grown from seed as well as roots. Seed should be sown outdoors in April in rows 3 ft. apart, the following spring they should be transplanted into permanent beds, the roots placed 3 feet apart each way; the year following that, or two years after sowing the seed, it may be used. Roots may be planted in October or in the spring up to May 15th.

Victoria. Immense long stalks of a cherry red color, which cook splendidly, have no strings or coarse matter, this makes it a most popular variety. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per $\frac{1}{4}$ lb., lb. \$1.25.

VICTORIA RHUBARB ROOTS

(Ready from October to May 15th.)

Large Clumps, 10c. each (by mail 15c.), \$1.00 per doz., per 100 \$6.00.

Extra Large Clumps for Forcing, 25c. each (not mailable), \$2.50 per doz., 25 for \$4.25, \$15.00 per 100.

ROSEMARY HERB (Perennial)

This makes an attractive border plant, also used extensively for various medicinal purposes. 5c. per pkt., per $\frac{1}{2}$ oz. 15c., 30c. per oz. See also Rosemary Plants, page 69.

RUTA-BAGA (See also Turnips, page 68)

Private Stock. Purple top; yellow. Pkt. 5c., per oz. 15c., 35c. per $\frac{1}{4}$ lb., per lb. \$1.25.

Improved. Purple top; yellow. Pkt. 5c., 10c. per oz., per $\frac{1}{4}$ lb. 25c., 75c. per lb.

SAFFRON HERB (Annual)

Used principally in making medicines and for coloring matter. 5c. per pkt., per oz. 10c.

SAGE HERB (Perennial)

Mammoth leaved variety, used in gravies, stews and also for medicinal purposes. 5c. per pkt., per $\frac{1}{2}$ oz. 10c., 15c. per oz.

SAGE PLANTS

Holt's Mammoth. Strong plants. 10c. each, per doz. \$1.00, \$6.00 per 100.

SHALLOTS (See also Onions, page 57)

A variety of French onion for flavoring. 15c. pt., qt. 30c., 4 qts. \$1.10, \$2.00 per peck.

HICKOX, GA.

Seeds arrived O. K. Thanks for your courteous handling of my order. A prospective customer I had in mind for you; bought elsewhere, his seeds arrived at the time yours did, so we are off in a race for supremacy. Michell's seeds are already, at the start, far in the lead.

H. J. McGEE.

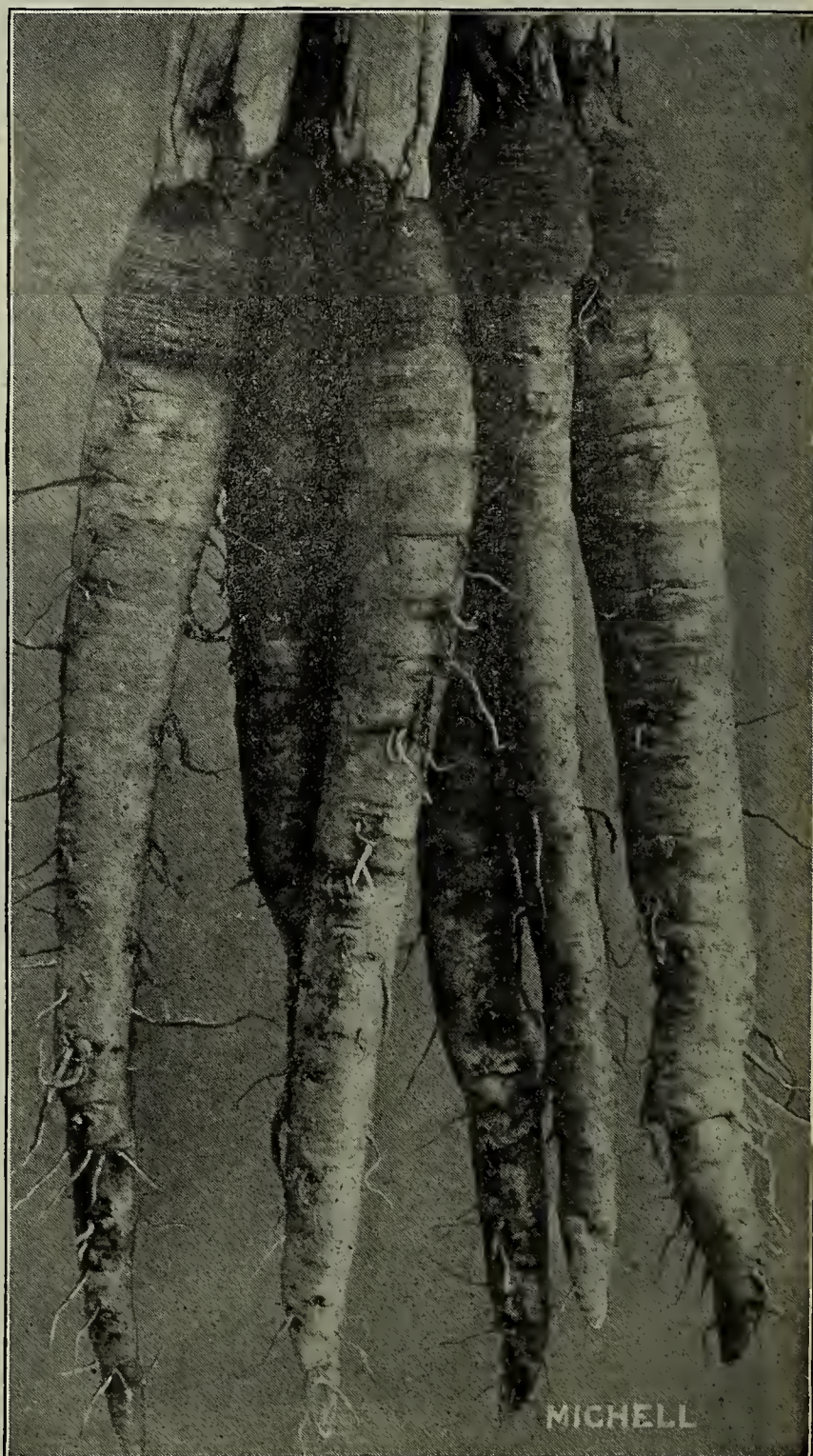
SALSIFY (OYSTER PLANT)

One ounce of seed will sow about 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep, when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow, in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing, while if sliced or made into cakes and fried like parsnip, they taste like a delicious oyster.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white; pure white, very tender and delicious. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Long White. The favorite market variety, somewhat thinner than the Sandwich variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.



Mammoth Sandwich Island Salsify (See prices above)

All prices on seeds include postage, unless otherwise noted

SQUASH

One ounce will sow
20 to 50 hills 3 to 4 lbs.
for an acre

This vegetable is a popular one for summer and winter use, it being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that it may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill. Some varieties, as will be noted below, are ideal for pie-making, more delicious than some of the pumpkins. Cultural Leaflet No. 124 covers squash growing fully. It is free



Delicious Squash

SUMMER VARIETIES

Golden Custard. A flat scalloped type, like the White Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 85c. lb.

Mammoth White Bush. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 85c. lb.

Yellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine. Pkt. 5c., 10c. per oz., $\frac{1}{4}$ lb. 25c., 80c. lb.

FALL AND WINTER VARIETIES (Running Sorts)

Delicious. Well named as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter. Pkt. 5c., (10c. per large pkt.), oz. 15c., 35c. per $\frac{1}{4}$ lb., lb. \$1.00.

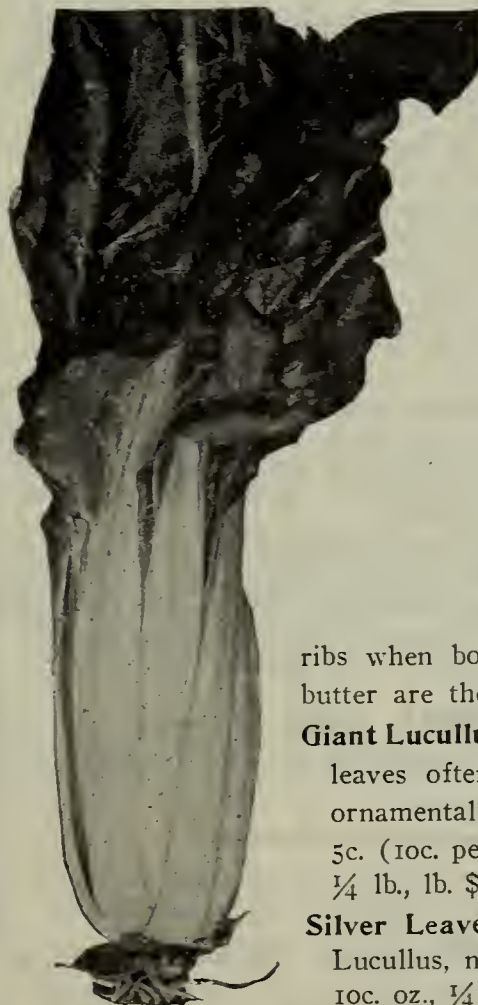
Golden Hubbard. Used extensively for pie, but served as a vegetable; it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt. 5c. (10c. per large pkt.), oz. 15c., 35c. per $\frac{1}{4}$ lb., lb. \$1.00.

Boston Marrow. Shaped similar to Hubbard, golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt. 5c., oz. 10c., 30c. $\frac{1}{4}$ lb., lb. 90c.

Vegetable Marrow. A long greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt. 5c., 10c. per oz., per $\frac{1}{4}$ lb. 35c., \$1.00 per lb.

SWISS CHARD (Spinach Beet)

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use



Giant Lucullus Swiss Chard

in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre; the outer leaves only should be carefully pulled from the plant; the foliage part separated from the rib. The former when cooked is served like spinach, which it resembles in taste; the

ribs when boiled and served with melted butter are the equal of finest asparagus.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per $\frac{1}{4}$ lb., lb. \$1.50.

Silver Leaved. Not quite as tall as the Lucullus, nor so well crinkled. Pkt. 5c., 10c. oz., $\frac{1}{4}$ lb. 25c., 75c. lb.



Michell's Improved Strain Bloomsdale Spinach

SPINACH One ounce to 75 feet of row;
12 pounds per acre.

See Cultural Leaflet No. 126 for instructions on spinach growing. Its free, ask for it.

Garden Giant (New). A very large leaved sort, of dwarf growth for spring and autumn use. Pkt. 5c., 10c. per oz., 25c. ¼ lb., lb. 60c.

Bloomsdale Round-Seeded Savoy (Improved Strain.) The hardiest Savoy leaved variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Pkt. 5c., 10c. oz., 20c. per ¼ lb., per lb. 50c., \$2.00 for 5 lbs., 10 lbs. \$3.50.

Bloomsdale (Usual Strain). 5c. per oz., ¼ lb. 15c., 40c. per lb., 5 lbs. \$1.75.

Long Season. A cross between the old reliable Bloomsdale and the Victoria. It produces tremendously large plants and leaves which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled, and are tender. Color, a beautiful dark green. Pkt. 5c., 10c. per oz., per ¼ lb. 20c., 50c. per lb., 5 lbs. for \$2.25.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright, one sowing can be picked from the entire summer, a very distinct variety. Pkt. 5c., 10c. per oz., per ¼ lb. 30c., \$1.00 per lb.

Victoria Long Standing. This thick variety is distinguished by the exceedingly dark green color, and also for its long-standing qualities and crinkled foliage, especially valuable for summer use, resisting the heat to a remarkable degree. Oz. 5c., 15c. per ¼ lb., per lb. 40c., \$1.75 for 5 lbs., 10 lbs. \$3.00.

SUMMER SAVORY HERB (Annual)

A popular kitchen herb used in flavoring, etc. Pkt. 5c., 10c. per ½ oz., per oz. 15c.

SORREL (French Broad Leaved)

Desirable greens for salad; resembles sour grass in flavor. Pkt. 5c., 10c. per ½ oz., per oz. 15c., 40c. per ¼ lb., per lb. \$1.25.

SWEET BASIL HERB (Annual)

A valuable herb for flavoring various dishes. Pkt. 5c., 10c. per ½ oz., per oz. 15c.

SWEET MARJORAM HERB (Annual)

Imported Strain. Used in the kitchen for flavoring. Pkt. 5c., 10c. per large pkt., oz. 20c.

American Strain. This variety is a much larger type and an improvement on the above. Pkt. 10c., 20c. per ½ oz., per oz. 40c.



NEW EXTRA EARLY TOMATO,

Michell's "Crackerjack"

What one of the many gardeners who planted MICHELL'S "CRACKERJACK" TOMATO in 1913 thinks of it:

Your Crackerjack Tomato proved to be a wonder in my garden. It was the first ripe, and the last in the season, always bearing fine specimens of uniform fruit. The size is ideal for table use and I think the name you've given it suits it well.

JOHN LITTLE,

Gardener to Mrs. J. Lowber Welsh,
Chestnut Hill, Phila.

The "distinctive" qualities of "Crackerjack" are so numerous that space will not permit us to describe all. Here are some:

1. **The earliest Tomato** to ripen in Pennsylvania. Fully two weeks earlier than any other sort tried in our gardens.
2. **A continuous bearer**, producing fruits right up till frost time.
3. **The most abundant producer** of any tomato we know.
4. **An absolutely smooth fruit**, colored equally alike in all parts.
5. **Never cracks**, except when overripe and left on vine.
6. **All fruit is of even size**, and every fruit can be used.
7. **Grows in clusters** from 5 to 10 perfect tomatoes.
8. **Fruit is of medium size** and of a brilliant rich scarlet.
9. **Fruit when cut** discloses solid meat and little space for seed.
10. **Its Flavor is very agreeable** and it cannot help to become an immediate favorite with everybody.
11. **The firm flesh** makes it an ideal shipper.
12. **Altogether a "Crackerjack"** for either the home garden or the truck farm.

We highly recommend this variety for forcing under glass. Per packet 20c., 50c. for 3 packets, ½ oz. 60c., \$1.00 per oz., 4 ozs. \$3.50.

Extra strong pot-grown "Crackerjack" Tomato plants
(Ready in May.)

Each 10c., 75c. per doz., 100 \$5.50.

Read on page 9 about our proposed Exhibit of Dahlias and Vegetables to be held September 24th to 27th, 1914.

WIRE TOMATO TRELLIS, 20c. each, dozen \$2.00, \$14 00 per 100.

Michell's Choice Tomato Seed (One ounce will produce 3500 plants; 1/4 lb. will provide enough for an acre) 67

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row or in hills 4 feet apart each way. Properly grown tomato plants should be supported. Cultural Leaflet No. 129 covers tomato growing fully, ask for a free copy.



Michell's Very First Tomato, showing its wonderful solidity

EARLY VARIETIES

- Beauty.** One of the largest bright red tomatoes, solid and meaty, quite early. Pkt., 5c. and 10c.; 20c. per oz.; 1/4 lb., 60c.; \$2.00 lb.
- Bonny Best.** One of the best and most prolific of early tomatoes. The size is not so large but it is very solid and evenly formed. Color, a beautiful bright red. Pkt., 10c.; 20c. per 1/2 oz.; oz., 40c.; \$1.50 per 1/4 lb.
- Earliana (Spark's).** The most prolific early tomato ever produced. Grows in clusters; medium in size: solid and most desirable. Pkt., 10c.; 15c. 1/2 oz.; oz., 25c.; 75c. 1/4 lb.; lb., \$2.50.
- Early Jewel (Chalk's).** A favorite variety with the market gardener. Color, a bright red; solid and good shipper. Pkt., 10c.; 20c. per 1/2 oz.; per oz., 35c.; \$1.00 per 1/4 lb.; per lb., \$3.50.
- June Pink.** One of the recent introductions in tomatoes. In habit it is very much like Earliana, but a beautiful pink color instead of red. 10c. pkt.; per 1/2 oz., 15c.; 30c. per oz.; per 1/4 lb., 85c.; \$3.00 per lb.
- Michell's Crackerjack.** See opposite page.
- Michell's Very First.** Frequently the tomatoes will weigh fourteen to sixteen ounces each. It is a heavy producer of handsome fruits which are all well shaped and of a bright red color, in our trials we have found it to be the very first to ripen. Pkt., 10c.; 25c. per 1/2 oz.; per oz., 50c.; \$1.75 per 1/4 lb.

LATER AND GENERAL CROP VARIETIES

- Dwarf Champion.** A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright red and very solid. Pkt., 5c.; 15c. per 1/2 oz.; per oz., 25c.; 70c. per 1/4 lb.; per lb., \$2.25.
- Dwarf Stone.** A dwarf compact growing plant, yielding a large crop of medium-sized very solid tomatoes. Color, bright red. The plant is very distinct and upright. Pkt., 10c.; 15c. per 1/2 oz.; per oz., 30c.; 80c. per 1/4 lb.; per lb., \$3.00.
- Dwarf Giant.** A dwarf type of the true Ponderosa; very meaty, of rich purple red, gigantic size, a fine shipper. 10c. pkt.; 1/2 oz., 20c.; 40c. oz.; 1/4 lb., \$1.25.
- Golden Queen.** Large yellow fruit. Pkt., 10c.; 1/2 oz., 15c.; oz., 30c.; 1/4 lb., \$1.00; \$3.25 per lb.
- Greater Baltimore.** An excellent canning or market variety, very large and solid general crop, rich color and of uniform size. 10c. pkt.; 1/2 oz., 20c.; 40c. oz.; 1/4 lb., \$1.25.
- Livingston's Globe.** A handsome variety, especially adapted to slicing; very solid; color a handsome red, and a great producer; one of the best general crop varieties. Pkt., 10c.; 15c. 1/2 oz.; 25c. per oz.; per 1/4 lb., 85c.
- Matchless.** Large red fruit, general crop. Pkt., 5c.; 1/2 oz., 15c.; oz., 25c.; 1/4 lb., 85c.; \$2.75 per lb.

LATER AND GENERAL CROP VARIETIES

- Michell's Improved Globe.** One of the largest and heaviest tomatoes on our list, the shape is rather oblong so that for slicing it cuts more from a fruit than any other variety; absolutely smooth, never cracks and colors right to the stem. Pkt., 10c.; 20c. per 1/2 oz.; oz., 40c.; \$1.25 per 1/4 lb.
- Ponderosa.** The largest tomato in existence; a beautiful red color; heavy producer, and of even form. Pkt., 10c.; 15c. per 1/2 oz.; per oz., 30c.; \$1.10 per 1/4 lb.; per lb., \$4.00.
- Red Rock.** One of the most solid varieties, medium size and of a brilliant red color, a fine one for the home or market garden; medium early. Pkt., 10c.; 15c. per 1/2 oz.; oz., 30c.; \$1.00 per 1/4 lb.
- Stone (Michell's Private Stock).** A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. One of the best all-round tomatoes on the market. Pkt., 10c.; 20c. per 1/2 oz.; per oz., 40c.; \$1.25 per 1/4 lb.; per lb., \$4.00.
- Stone (Usual Strain).** Pkt., 5c. and 10c.; 15c. per 1/2 oz.; per oz., 25c.; 85c. per 1/4 lb.; per lb., \$3.00.

FORCING TOMATOES

While especially adapted for growing under glass during the winter, they succeed outdoors quite well, and have one especially valuable feature, being extremely early.

- Stirling Castle.** Firm medium fruit, with few seeds; very productive. 10c. pkt.; 1/2 oz., 20c.; 40c. per oz.; per 1/4 lb., \$1.25.
- Frogmore Select.** Grows in large clusters, an especially fine variety; very uniform and prolific. 10c. pkt.; 1/2 oz., 20c.; 40c. oz.; 1/4 lb., \$1.25.

Michell's Crackerjack. See opposite page.

Sutton's Best of All. One of the finest varieties in use in England, and the seed we offer is grown from Sutton's original stock. The fruit is medium sized, and of an intense red color, containing but few seeds, it is produced in clusters of from 3 to 6 fruits. Pkt., 10c.; 25c. 1/2 oz.; oz., 50c.; \$1.75 per 1/4 lb.

Comet. A cluster averages 6 tomatoes of medium size of the brightest red, ripening up to the stem. One of the first to ripen and continues in bearing for a long while. Pkt., 10c.; 25c. per 1/2 oz.; oz., 45c.; \$1.25 per 1/4 lb.

Sutton's Eclipse. A very smooth fruit, borne singly on plants which produce little foliage, a good point in a forcing tomato, vermilion red color; original packets, 50c. (\$1.25 for 3 pkts.).

SMALL FRUITED TOMATOES

These are very decorative in the garden, as well as highly desirable for preserving on account of their freedom from acid; they are tremendously prolific, continuing to bear right up to frost. They may be used raw, and make excellent table decorations.

- Red Cherry.** Pkt., 5c.; 1/2 oz., 15c.; 25c. oz.; 1/4 lb., 75c.; \$2.50 per lb.
- Red Peach.** Of Peach form and color. Pkt., 5c.; 15c. 1/2 oz.; oz., 25c.; 85c. 1/4 lb.
- Yellow Pear or Plum.** Pkt., 5c.; 15c. 1/2 oz.; oz., 25c.; 1/4 lb., 75c.; \$2.50 per lb.
- Strawberry or Husk.** Pkt., 5c.; 15c. 1/2 oz.; oz., 25c.; 1/4 lb., 85c.; \$2.75 per lb.

TOMATO PLANTS

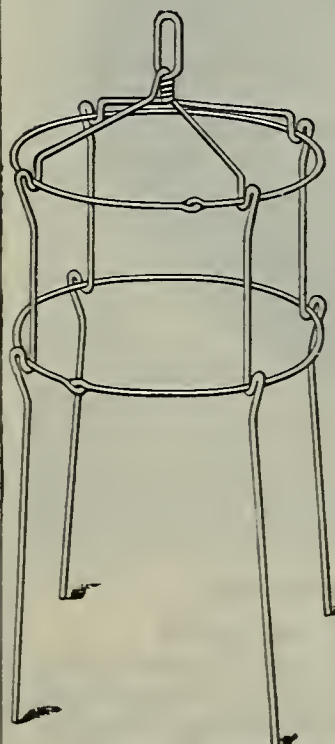
(Ready in April)

	Doz.	100	1000
Hotbed-Grown	.....\$0.20	\$1.25	\$7.50
Pot-Grown	.....	.50	4.00 37.50

TOMATO SUPPORTS

Larger plants, better and more fruit is obtained when tomatoes are supported.

- Müller's, Wire** (see cut). Each, 30c.; doz., \$3.25; \$23.50 per 100.
- Model, Wire.** Each, 20c.; doz., \$2.00; \$14.00 per 100.
- Perfection, Wood.** Each, 25c.; doz., \$2.75; \$22.00 per 100.



Müller's Tomato Support

MICHELL'S RELIABLE VEGETABLE SEEDS

TARRAGON

This does not produce seed, but we offer choice plants. These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large plants, 25c. each (by mail, 30c.); per doz., \$2.50; \$17.50 per 100.

THYME (English Broad Leaved)

This is almost an indispensable herb; once planted it remains permanent for years. Pkt., 5c. and 10c.; 30c. per ½ oz.; per oz., 50c.

THYME PLANTS

Large clumps of the above variety for those who want immediate results. 10c. each (by mail, 15c.); per doz., \$1.00; \$6.00 per 100.

TOBACCO SEED

	Pkt.	½ Oz.	Oz.
Connecticut	\$0.10	\$0.15	\$0.25
Havana .....	.10	.20	.40
Pennsylvania .....	.10	.15	.25

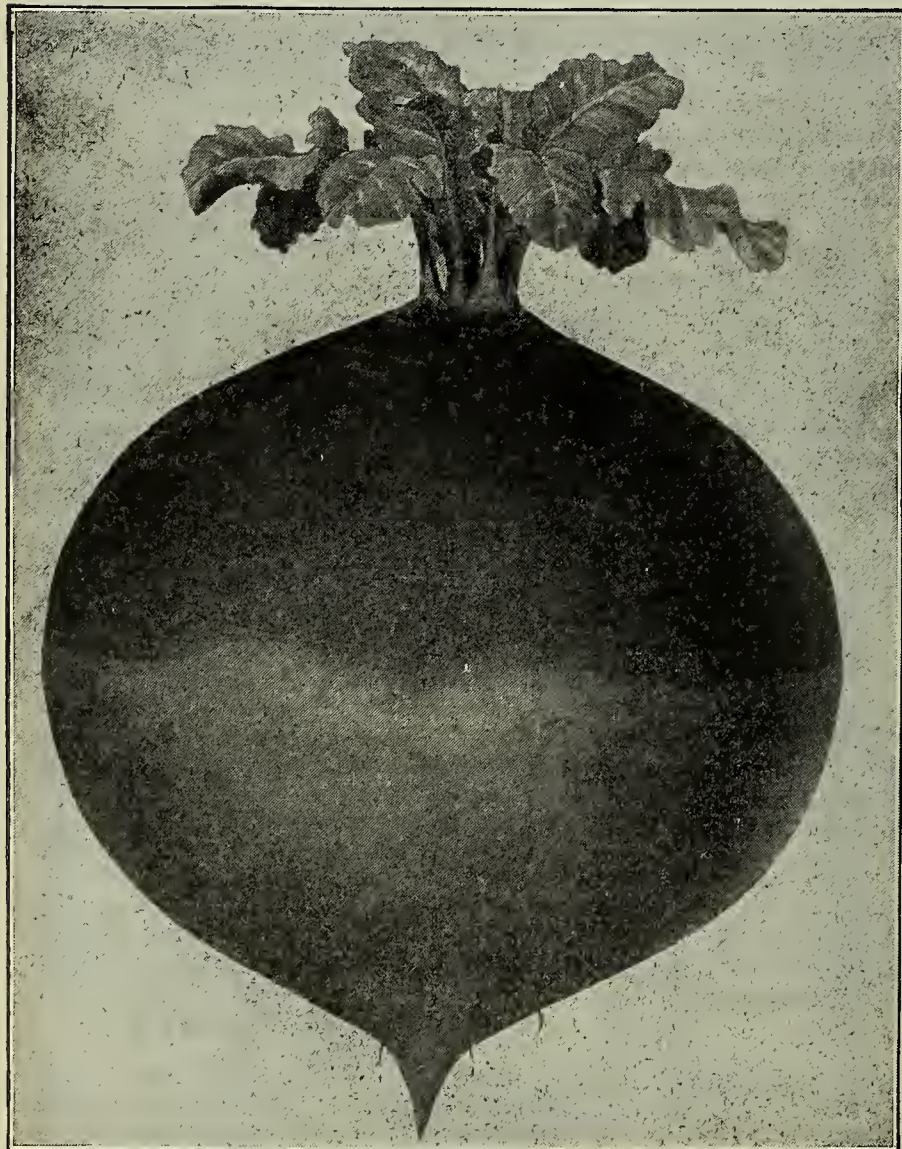
Special price on larger quantities.

TURNIP AND RUTA BAGA

Herbst Rüben (Ger.) Navet (Fr.)

One ounce of seed for 100 feet drill; two lbs. per acre, broadcast

For early use sow the small sorts as soon as the ground can be worked in the spring in drills fourteen inches apart. Ruta Bagas thirty inches. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use the early kinds should be sown from the middle of July to the middle of August, and Ruta Bagas from the middle of June to the fifteenth of July.

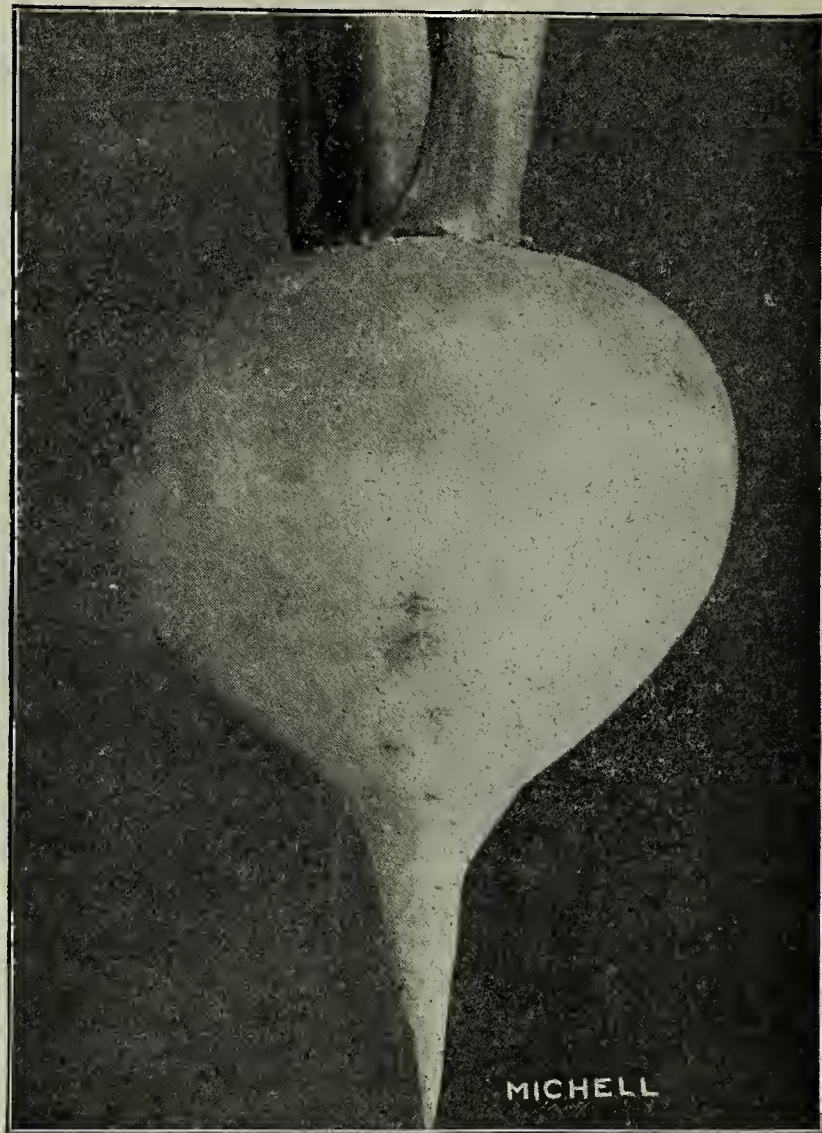


Michell's Private Strain Ruta Baga

RUTA BAGA

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.25 per lb.; 5 lbs. for \$5.00.

Improved Purple Top Yellow. This variety is the same color as the above, except the shape is more oblong. It is very desirable for stock feeding. Pkt., 5c.; 10c. per oz.; per ¼ lb., 25c.; 75c. per lb.; 5 lbs. for \$3.00.



Private Strain Improved Purple Top White Globe Turnip

TURNIP

Aberdeen. A flat yellow variety, a good winter keeper. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; per lb., 60c.

Cow Horn. A long white variety used for soiling and stock feeding. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 60c. per lb.

Early White Flat Dutch. A good variety for early spring sowing, matures quickly. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 30c. per ½ lb.; per lb., 50c.

Early Purple Top Flat. The most popular variety in cultivation, a large yielder, well flavored. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 60c. per lb.

Purple Top White Globe. A large perfect shaped sort, the skin is purple at top and white at bottom, very sweet. Pkt., 5c.; 10c. per oz.; per ¼ lb., 25c.; per lb., 75c.

Purple Top White Globe. (*Private stock.*) This is a careful selection of the above variety, especially adapted for private gardens. Pkt., 5c. and 10c.; 15c. per oz.; per ¼ lb., 35c.; per lb., 1.00.

Robertson's Golden Ball. A globular-shaped sort, with deep yellow flesh. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 30c. per ½ lb.; per lb., 50c.

Snowball. A pure white globe variety, very early; Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 35c. per ½ lb.; per lb., 60c.

White Milan. A handsome flat sort, grand for very early use, sweet and tender. Pkt., 5c.; 10c. per oz.; per ¼ lb., 25c.; 85c. per lb.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 5c.; 10c. per oz.; 20c. per ¼ lb.; per ½ lb., 35c.; per lb., 60c.

WORMWOOD

A medicinal herb of great value. Perfectly hardy with slight protection. Pkt., 5c. and 10c.; 15c. per ½ oz.; per oz., 25c.

(he)



A Carefully Grown Tomato Plant

Artichoke Plants (Ready in April)

Green Globe. The cultural and cooking method is fully explained in Leaflet No. 101. Pot Grown, \$1.50 per doz.; 25 for \$2.50; \$10.00 per 100 (by express only).

Artichoke Roots (Ready in April)

Jerusalem. Sometimes called the American Artichoke, used for table and stock feeding. Cultural and cooking method is fully explained in Leaflet No. 101. 15c. qt.; peck, 75c.; \$2.75 per bu.

Asparagus Roots (Ready from October 15th to May 15th)

The handling of this crop is carefully described in our booklet on Asparagus Culture, which is mailed free or included with orders, if asked for. The two year old roots usually produce 2 years after planting, the 3 year old may be cut lightly one year after planting.

	2 Year Old Roots			3 Year Old Roots		
	100	500	1000	100	500	1000
Giant Argenteuil. Violet and white	\$1.00	\$4.00	\$7.50	\$1.75	\$7.50	\$15.00
Barr's Mammoth. Dark green .....	.75	3.00	5.50	1.50	6.50	12.50
Columbian Mammoth White. Pure white..	.75	3.00	5.50	1.50	6.50	12.50
Conover's Colossal. Light green .....	.75	3.00	5.50	1.50	6.50	12.50
Palmetto or Eclipse. Light green .....	.75	3.00	5.50	1.50	6.50	12.50
Giant Forcing Asparagus Roots (Extra strong). In Barr's Mammoth variety only \$2.00 per doz.; per 25, \$3.50; \$12.00 per 100.						

Brussels Sprouts (Ready in July)

Matchless Improved Hot Bed Grown. 25 for 20c.; 50c. per 100; (by mail, 65c); per 1000, \$3.50.

Cabbage Plants (Ready in season according to variety)

Early Sorts. From hotbeds. All the leading varieties; ready beginning April 15th. Per 100, 40c. (by mail, 55c.); \$3.50 per 1000.
From Cold Frames Transplanted. Ready April 1st. Per 100, 75c.; \$6.00 per 1000.
Late Sorts. Ready July 1st. Per 100, 40c.; \$2.75 per 1000.

Parsley Plants (Ready in April)

Large specimens, pot-grown, ready for use. 50c. per doz.; per 100, \$4.00. These plants cannot be mailed satisfactorily.

Pepper Plants (Ready in May)

Large fruited varieties in leading sorts.
Pot Grown Plants. 50c. per doz.; per 100, \$4.00.
Hotbed Grown. 20c. per doz.; per 100, \$1.25.

Rhubarb Roots (Ready from October to May 15th)

Victoria Large Clumps. 10c. each; (by mail 15c.); \$1.00 per doz.; per 100, \$6.00.
Victoria Extra Large Clumps for Forcing. 25c. each; (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

Rosemary (Perennial)

This makes an attractive border plant, also used extensively for various medicinal purposes. Pot Grown plants ready after April 1st. 10c. each; doz., \$1.00; \$6.00 per 100.

Sage

Holt's Mammoth. Large leaved variety, used in gravies, stews and also for medicinal purposes. Pot Grown plants, ready after April 1st. 10c. each; per doz., \$1.00; \$6.00 per 100.

Summer Savory HERB (Annual)

A popular herb used in flavoring, etc. Pot Grown plants ready after April 1st. 10c. each; per doz., \$1.00; \$6.00 per 100.

Sweet Marjoram HERB (Annual)

American Strain. This variety is a much larger type and an improvement on the imported. 10c. each; per doz., \$1.00; \$6.00 per 100. Pot Grown plants, ready after April 1st.

Sweet Potato Plants (Ready in May)

Yellow Bush (Vineless). 60c. per 100; 250 for \$1.25; 1000, \$4.00.
Yellow and Red Nansemond. 40c. per 100; 1000, \$2.50; (5000 lots, \$10.00).

Tarragon (Hardy)

These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large plants, 25c. each (by mail, 30c.); per doz., \$2.50; \$17.50 per 100.

Thyme (English Broad Leaved) (Hardy)

This is almost an indispensable herb; once planted it remains permanent for years. Pot Grown plants ready after April 1st. 10c. each; doz., \$1.00; \$6.00 per 100.

Tomato Plants (Ready in April)

	Doz.	100	1000
Hotbed-Grown	\$0.20	\$1.25	\$7.50
Pot-Grown .....	.50	4.00	37.50

(ho)

Cauliflower Plants (Ready about April 1st)

	Doz.	100
Spring sown plants from hotbeds	\$0.25	\$1.50
Pot-grown Plants .....	.50	4.00

Celery Plants (Ready in July)

Extra selected well grown, sturdy stock grown at our own plant establishment in the following varieties. **White Plume, Dwarf Golden Heart, Giant Pascal, Boston Market, Winter Queen, Pink Plume.**

50c. per 100 (by mail, 65c.); 500 for \$2.25; \$4.00 per 1000.
Golden Self Blanching. Grown from French seed. 60c. per 100; (by mail, 75c.); \$2.75 per 500; per 1000, \$5.00.

Egg Plants (Ready after May 15th)

These are grown in pot grown stock only.
New York Improved and Black Beauty. 50c. doz.; \$4.00 per 100.

Hop Vine (Hardy)

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc.
Strong Pot Grown Plants. 15c. each; doz., \$1.50; \$10.00 per 100.

Horse Radish Roots (Ready in March)

Set the roots in spring in rows six inches apart, about the same distance in the row. Late in the fall lift as many roots as you think you will use during the winter, cut off the top, place them in a cool cellar covered with soil or sand.

Maliner Kren (Bohemian). Large, strong cuttings, 25c. per doz.; per 100, 75c.; (postpaid \$1.00); \$6.00 per 1000.
Regular variety. Doz., 15c.; 50c. per 100; (postpaid 65c.); per 1000, \$4.00.

Chives

Hardy and will last for years; don't cut the plant too close when gathering. If desired for winter use, lift and plant in a pot or box and place in a sunny window in the kitchen.

Strong Plants. 10c. each; doz., \$1.00; \$7.00 per 100.

Lavender (Ready in April)

Used for its flowers, which when dried, are strewn among clothing to keep away moths. Pot grown plants. 10c. each; per doz., \$1.00; \$6.00 per 100.

Lettuce Plants

We can supply these at all seasons in Heading Varieties. 40c. per 100, (postpaid 50c.); \$3.00 per 1000.

Mint (Hardy)

This variety is the true spearmint used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years.

Pot Grown Plants. 10c. each; doz., \$1.00; \$6.00 per 100

FIELD SEED CORN

Prices on Field Corn subject to market changes

Plant 8 to 10 qts. per acre in hills sow $2\frac{1}{2}$ to 3 bushel broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market, we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corns where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which mean a considerable increase in production.

Never use feeding Corn for Seeding Purposes

Leaming Early Dent (Pedigreed Stock). This variety has always been used foremost by most planters of field corn. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden orange. The cob when shelled is very small and of reddish color. The stalks grow about 7 feet, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. On the ear only in 1 bushel crates, \$4.00 per crate; 5 bushels for \$18.75. (Stock of this limited.)

Leaming Early Dent. This is our usual carefully grown stock, which is excellent in every respect. Qt. 15c., 40c. for 4 qts., peck 60c., \$2.25 per bu.

Golden Beauty. The broad massive golden yellow dented grains are arranged very evenly on gigantic cobs. The fodder is enormous, often growing 12 feet high; it matures late but yields wonderful crops; desirable for silo and ensilage purposes. Qt. 15c., 40c. per 4 qts., peck 60c. \$2.25 bu.

Chester County Mammoth. A native variety of this vicinity, grown especially for us by a private expert corn raiser. The ear and stalk are almost as large as Golden Beauty. The dented kernel is deeper, however, and of a light yellow shade; a late maturer. Qt. 15c., 35c. per 4 qts., peck 60c., \$2.25 per bu.

Cloud's Early Yellow Dent. Our stock of this is grown by the originator, who is extremely careful. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about $\frac{3}{4}$ of an inch long. It delights in rich soil if the best is expected of it. Qt. 15c., 40c. for 4 qts., peck 65c., \$2.25 per bu.

100 Day Bristol. This matures within the time named and produces large stalks. The ears are about 9 inches long, very thin cob when shelled. The sulphur yellow grain is dented, very broad and not very deep; an easy variety to husk. 15c. qt., 4 qts. 35c., 60c. peck, bushel \$2.25.

Early Canada Flint (Eight Rowed). This is a medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled, excellent for pigeon and poultry feed. Qt. 15c., 35c. for 4 qts., peck 60c., \$2.25 per bu.

Hickory King. A very broad dented white grain, white cob variety, for ensilage, silo and fodder purposes it is ideal. It matures very late, but is an enormous producer. Qt. 15c., 35c. for 4 qts., peck 60c., \$2.25 per bu.

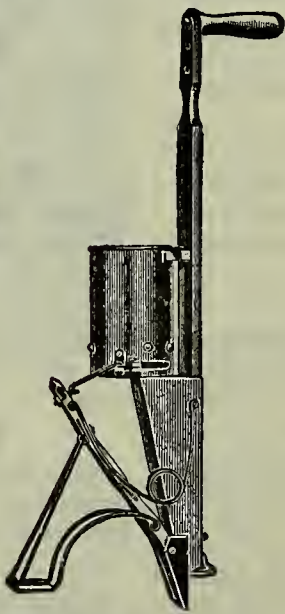
Virginia Ensilage. This grows invariably 12 to 14 feet high, stands up during the most severe windstorms. The seed is white, very deep and broad, with a thin red cob. It is the principal ensilage corn of the South. It will yield more fodder than any other variety. Qt. 10c., 30c. for 4 qts., peck 60c., \$2.00 per bushel.

Red Cob Ensilage. A long narrow white grain, a late maturer and used for silo, green feed or ensilage purposes. A tall rank grower and prolific in leaves. 10c. qt., 4 qts. 30c., 50c. peck, bu. \$1.85.

Eureka Yellow Dent, for Ensilage. Light canary yellow deep grained fine ear and fodder. Qt., 15c.; 35c. for 4 qts.; peck, 60c.; \$2.25 bush.

AMERICAN HAND CORN PLANTER

A planter of this type is a great economizer of seed, besides saving an enormous amount of labor by rapid planting. Price, \$2.00.



American Hand Corn Planter

Headquarters for HIGH GRADE FARM SEEDS

PRICES ON ALL FARM SEEDS SUBJECT TO MARKET CHANGES

ALFALFA (See page 30)

CLOVERS (See page 30)

ARTICHOKES, Jerusalem (See page 69)

JAPANESE BUCKWHEAT



A Head of Japanese Buckwheat

In the locality of Philadelphia this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. This variety produces brown seed, is very prolific, maturing fully a week earlier than "Silver Hull" variety. It makes a very fine quality of flour, but is chiefly used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat,

these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. 15c. per qt., peck 50c., \$1.50 per bushel.

SILVER HULL BUCKWHEAT

This produces a medium sized silver-gray grain; it does especially well on poor ground. For feeding it is not as good as the "Japanese," but the flour produced from it is whiter. It does not mature its crop as early as the former, but is very prolific. One bushel (48 lbs.) will sow an acre. 15c. qt., peck 50c. \$1.50 per bushel.

SPRING BARLEY

There is a threefold purpose in growing barley. Its straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed and with the latter removed is used in the household. It is a quick growing crop and very nutritious. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast $1\frac{1}{2}$ to 2 bushels per acre from May 15th to July 1st.

Beardless. N. Y. grown stock frequently yields 50 bushels per acre. 15c. qt., 4 qts. 35c., 50c. peck, bushel \$1.50 (48 lbs.).

Primus (Swedish Svaloef Pedigree Bearded). This strain of barley is the finest in the land, and if looking for something extra in quality, this is the strain to plant. We have the genuine seed. \$1.00 per peck, bushel \$3.25

COTTON SEED

The Sea Island variety, which we handle, if sown early in May will mature in the latitude of Phila. Plant in drills 3 feet apart, dropping a seed about every six inches. Pkt. 5c., 10c. $\frac{1}{4}$ lb., lb. 20c., 75c. for 5 lbs.

EVERGREEN BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder is suitable for bedding and grows to a height of about nine feet. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding highest market prices. Sow in May about ten pounds per acre in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of the frost, the brush part being gathered first. Yields 1000 lbs. of salable brush per acre. 15c. qt., 4 qts. 45c., \$2.25 per bushel (46 lbs.).



SOJA OR SOY BEANS

This very valuable farm plant is not used as extensively as it should be. It has three very valuable points. It enriches the ground in which it is planted by the free nitrogen gathered from the air and which is deposited in the ground by the roots, leaving it in ideal condition and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with other hay or corn. The seed when harvested and ground into meal gives milk a very rich flavor and is fed with great advantage to milch cows mixed with bran or any other soft feed. Plant $\frac{3}{4}$ bushels to the acre in drills $2\frac{1}{2}$ feet apart, which will place the plants about 10 to a foot, anywhere from the 1st to the last of May. If wanted for silo it will be ready for harvest about the first of September or earlier, when the pods will all be well filled; yields as high as 20 tons of green food per acre.

Mammoth Yellow (Late) | **Ito San** (Very Early) } Prices on
Early Hollybrook | **Wilson** (Early) } Application.

FLAX

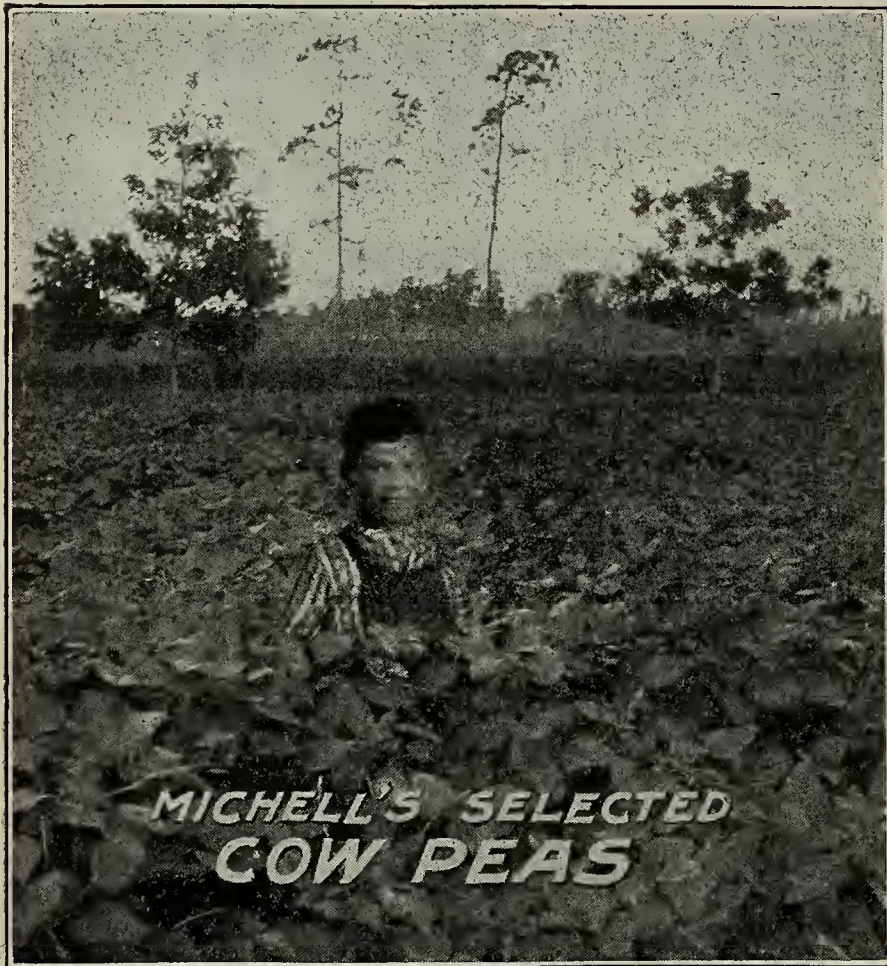
This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant a bushel to the acre from May 15th to June 15th. If desired for the fibre, sow $1\frac{1}{2}$ to 2 bushels. Lb. 10c., \$1.15 peck (14 lbs.), bushel (56 lbs.) \$4.00.

GRASSES

For farm and hay purposes, see pages 23 to 28 inclusive.

FARMOGERM NITROGEN-GATHERING BACTERIA

This will be found a very valuable preparation in connection with plantings of Soy Beans, Cow Peas and other legumes. See page 31 for full particulars.



COW PEAS

Note: Occasionally some people order **Cow Peas**, thinking they are the same as **Canadian Field Peas** and sow them early and in consequence they do not germinate, as they do not stand cold, and the innocent seedsman is blamed for what is not his fault. There is a wide difference between Cow Peas and Canadian Peas, the latter which are offered in the opposite column.

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, taking the free nitrogen from the air, which it deposits in the ground through the roots, leaving it very rich in ammonia. The short-growing varieties are best for turning under as green manure, while the trailing sorts are desirable for hay. Cattle, sheep or hogs can be turned into a field of them and they will eat it off greedily and the stubble can be plowed under. In the latitude of Phila., sow from May 1st to July 1st, 2 bushels per acre broadcast, or 1 bushel per acre in drills. For a large crop sow the seed as late as possible and not too thick.

Black. One of popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for raising stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South, the seed of this variety is sold for dried peas for household use, and it is claimed they are quite delicious.

Whippoorwill. Medium early, upright growing. variety extensively used, more than any other. The seed is brown and gray speckled. It is a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

New Era. Of upright growing habit, quick to mature and remarkably prolific in both vines and pods. The seed is smaller and requires only from $\frac{3}{4}$ to 1 bushel for sowing an acre.

Early Ramshorn. This is a black eyed variety, but much earlier than the regular black eyed type. The vines are enormous with an abundance of pods.

Prices: These fluctuate constantly; will be quoted on request.

FARMOGERM NITROGEN-GATHERING BACTERIA

This will be found a very valuable preparation in connection with plantings of Cow Peas. See page 31 for full particulars.



Canadian Cluster Oats

CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre.

Ligowo II (Pedigreed Swedish Svaloe). This is the heaviest strain of oats we've ever handled; it produces enormous grain heads and tall, erect straw. 65c. peck; bushel, \$2.50.

Swedish or Washington. The long erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color; this variety is especially free from rust and other disease. 15c. qt.; peck, 40c; \$1.50 bushel.

Canadian Cluster. This variety is an enormous yielder, producing very large heads. Originally brought from the oat-belts of Canada, but has now been thoroughly acclimated to the climate of the United States. 15c. qt.; peck, 45c.; \$1.50 bushel.

Storm King (Pedigree Stock). Our strain of this variety was brought from Russia three years ago and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Our supply of this is limited and we recommend early ordering, as the demand usually exceeds the supply. Often yields 85 bushels per acre. 20c. qt.; peck, 60c.; \$2.00 bushel.

Welcome. This is one of the popular varieties, extensively grown in the locality of Phila.; it yields a heavy stiff straw and is a large producer. 15c. qt.; peck, 35c.; \$1.20 bushel.

FIELD PEAS (Canadian)

These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of $1\frac{1}{2}$ bushel of Peas and $1\frac{1}{2}$ bushel of Oats to the acre either drilled or broadcast. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. Price changes constantly and will be quoted on request.

CARROTS

For Stock Feeding, sow 3 to 4 lbs. per acre.

Improved Long Orange (*Michell's Special Strain*). Deep orange color, 10 inches long, good flavor, yields heavily; the best for stock feeding. This strain grows unusually uniform, root for root, and gives great satisfaction; stump rooted. 15c. per oz.; per $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

White Belgian. Produces a long thick white root. It is also used for soiling or turning under; being a valuable humus maker. It is about 8 to 10 inches long with a green top. 10c. per oz.; per $\frac{1}{4}$ lb., 30c.; \$1.00 per lb.

CATTLE BEETS (Mangel Wurzel)

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills two inches deep, about twenty-four inches apart. Thin out to twelve inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for mangel-wurzels. Cultural Leaflet No. 104 gives explicit directions for growing and caring for this crop.

Golden Tankard. The best long yellow mangel in cultivation. Relished by milk cows and sheep. Maturing earlier than other large sorts. Per oz., 7c.; 20c. per $\frac{1}{4}$ lb.; per lb., 60c. (by mail, 68c.); 5 lbs., \$2.50 (by express or freight).

Improved White Imperial. An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Per oz., 7c.; 20c. per $\frac{1}{4}$ lb.; per lb., 60c. (by mail, 68c.); 5 lbs., \$2.50 (by express or freight).



Mammoth Long Red. This is an enormously productive variety, yielding from fifty to seventy tons to the acre, a single root often weighing from twenty to forty pounds. It is the best long red mangel. Per oz., 7c.; 20c. per $\frac{1}{4}$ lb.; per lb., 60c. (by mail, 68c.); 5 lbs., \$2.50 (by express or freight).

Red Globe. An excellent sort, very prolific, good for late planting. Per oz., 7c.; 20c. per $\frac{1}{4}$ lb.; per lb., 60c. (by mail, 68c.); 5 lbs., \$2.50 (by express or freight).

Yellow Globe. Contains a large amount of sugar properties, and can be used for replanting quite late. Per oz., 7c.; 20c. per $\frac{1}{4}$ lb.; per lb., 60c. (by mail, 68c.); 5 lbs., \$2.50 (by express or freight).

KAFFIR CORN—White, for Seed

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle, is ideal for planting where the corn seed has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of a stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. 10c. qt.; peck, 40c.; \$1.50 bushel (56 lbs.).

MILLET

This is a very important emergency crop when the season for hay has been unsatisfactory. Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about ten inches high. It makes an excellent green food for stock which is not allowed to pasture. If used for hay and dried it should be cut just as it matures. If allowed to stand longer, it gets hard and less palatable for the animals.

Hungarian. The seed is a mixture of brown and yellow and produces hay not so fine in quality as the "German," also fully a foot less in height, it can, however, be sown some 2 weeks later. Sow 1 bushel per acre. 15c. qt. Price on larger quantities on application, account of change in market value.

Japanese Barnyard. This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast anywhere from May 1st to June 15th. 10c. lb.; 10 lbs., 80c.; \$7.00 per 100 lbs.

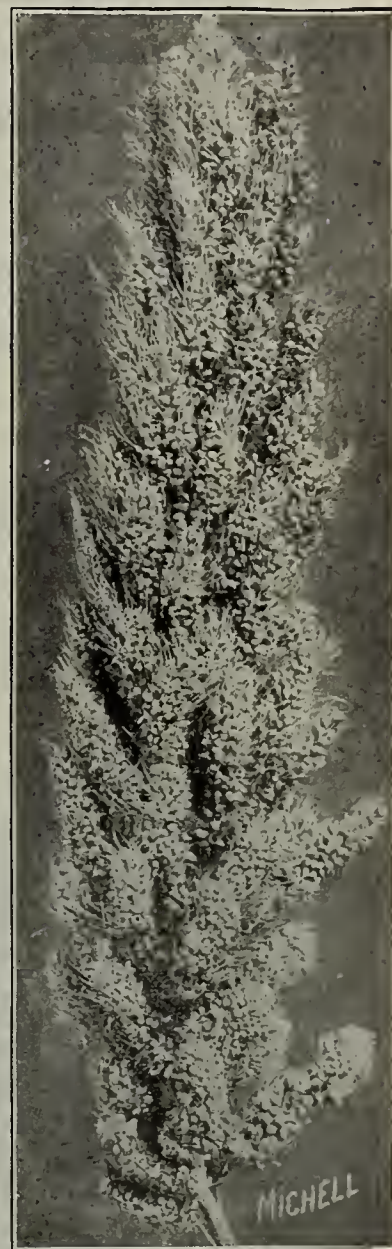
Pearl (*Pencillaria Spicata*). A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 lbs. per acre. 12c. per lb.; per 10 lbs., \$1.10; \$5.00 bushel, (50 lbs.).

Tennessee, German or Golden. This requires a longer season to mature than the other sorts; it produces, however, a very fine quality of hay and makes a larger seed-head. In good seasons it grows about 4 feet high. Sow 1 bushel (48 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. qt. Price on larger quantities on application, account of change in market value.

TESTIMONIAL

The Alfalfa Seed furnished me some time ago has now appeared and I believe I have an excellent stand—thanks to your good seed.

E. A. RUSSELL, Jr.
Warrenton, Va.



A Head of Japanese Millet

RAPE

Dwarf Essex. This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing; the growth is enormous; if one has the available land it is good to sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time; this, of course, depends on the number of head turned on an acre. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. It produces enormous crops and is ideal green manure. Experiment Stations recommend that stock, feeding on it, should have ready access to salt. This is an ideal food for young lambs and hogs and does well under trying conditions. 10c. lb.; 10 lbs., 90c.; \$7.00 per 100 lbs.

SEED RYE

Spring. This furnishes an excellent early green food if cut, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow $1\frac{1}{2}$ bushels broadcast or in drills from May to June 1st. 10c. qt.; peck, 50c.; \$1.60 bushel.

Thousandfold Winter. This makes a fine winter cover crop, being usually sown in the autumn as late as November, making a very fine yield of long stiff straw. Sow $1\frac{1}{2}$ bushels per acre. 10c. qt.; peck, 40c.; \$1.35 bushel.

SUGAR CANE OR SORGHUM

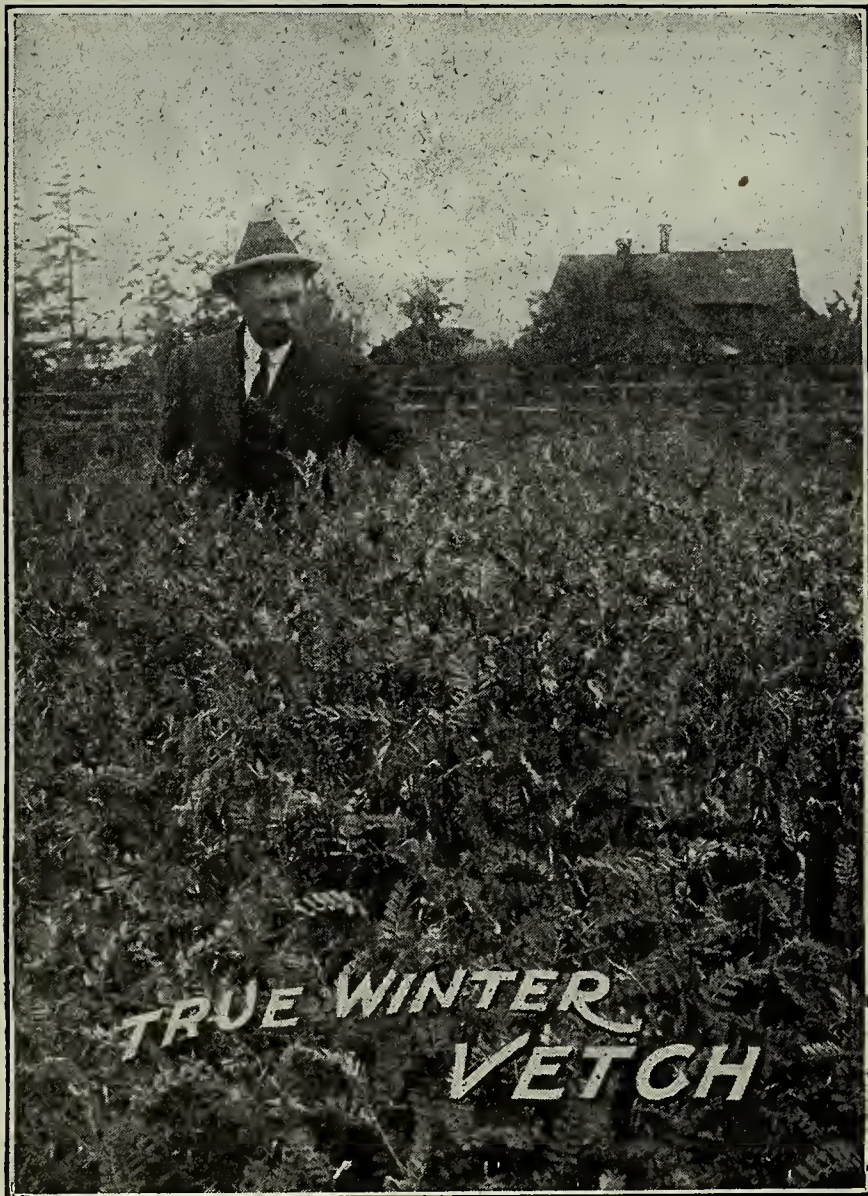
Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be thrashed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season; in fact, it yields most when handled in this manner. Sow 25 lbs. of seed to the acre in drills $3\frac{1}{2}$ feet apart; 1 or 2 bushels broadcast. 15c. qt.; peck, 60c.; \$2.25 per bushel (48 lbs.).

In ordering Farm Seeds, always allow 22 cents for each Two-Bushel Bag. These are returnable at the price charged

TIMOTHY SEED. *Extra recleaned stock, see page 13.*

TEOSINTE (*Reana Luxurians*)

This is used extensively in the South, where it is, at times, difficult to grow forage crops on account of the long periods of drought and frequently poor soil; a single plant makes a tremendous growth, often producing as many as fifty stalks. Its foliage is like corn leaves, very broad and contain a sweet sap. Cattle eat it with a relish. It stands 5 feet high when matured, but it can be cut when two or three feet high. It produces new branches or stalks from the roots. Sow during May and June in drills $3\frac{1}{2}$ feet apart, 5 to 6 lbs. per acre. 75c. lb., 5 lbs. \$3.50.



SUNFLOWER, Mammoth Russian

This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after the first few frosts, cutting the seed-head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. 10c. qt., 4 qts. 30c., 55c. peck, bushel \$1.75.

SPELTZ or EMMER

This grain resembles wheat but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after thrashing is equal to the best wheat. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre anytime after April 1st; the earlier the better. 15c. qt., peck 50c., \$1.75 per bushel.

PRICES ON ALL FARM SEEDS SUBJECT TO MARKET CHANGES

VETCHES or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye, the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish white in clusters. The height when supported is frequently 4 feet.

Sand, Hairy, or Winter Vetch (*Vicia Villosa*). Our stock of this is the true type, which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern sections of the U. S., and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. 12c. lb., 10 lbs. for \$1.00, \$5.40 per bushel of 60 lbs., per 100 lbs. \$8.75.

Spring Vetch (*Vicia Sativa*). The seed of this is larger and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast and 1 bushel if in drills, with either spring wheat, spring rye or oats for support. It possesses very much the same desirable features as the winter vetch. 10c. lb., 10 lbs. 75c., \$3.25 per bushel of 60 lbs., 100 lbs. \$5.00.



SPRING WHEAT *Spring Wheat*

A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard and of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

Saskatchewan Fife. This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May $1\frac{1}{2}$ to 2 bushels per acre, broadcast or in drills. 15c. qt., peck 60c., \$2.25 per bu.

WINTER WHEAT

In season we carry a large stock of the best varieties.

In ordering Farm Seeds always allow 22c. for every two-bushel Seamless Bag used. These are returnable for credit or refund at the price charged.

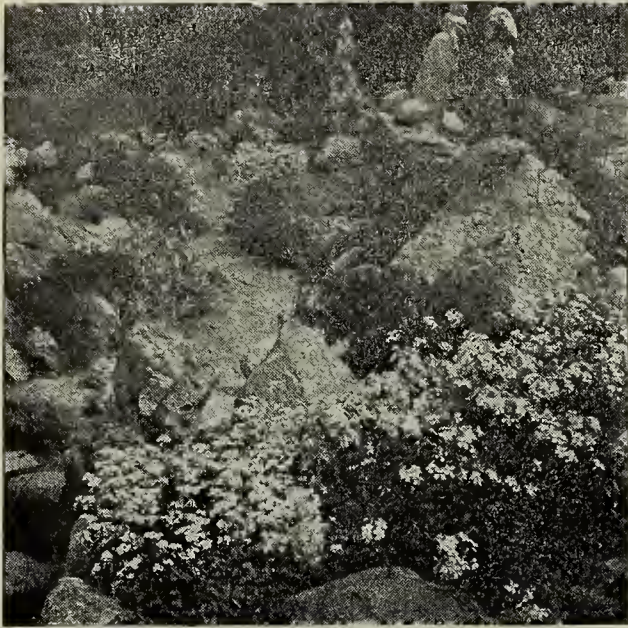
COMMON OR ENGLISH AND BOTANICAL NAMES OF POPULAR FLOWERS AND PLANTS

Abutilon—Flowering Maple.
 Abyssinian Banana—*Musa Ensete*.
 Achillea—Milfoil, Sneezewort.
 Aconitum—Helmet Flower, Monk's Hood, Wolf's Bane.
 Acroclonium—Everlastings.
 Adams Needle—Yucca.
 Adiantum—Maiden Hair Fern.
 Adlumia—Allegheny Vine, Mountain Fringe.
 Adonis aestivalis—Pheasant's Eye.
 African Daisy—*Arctotis*.
 African Lily—*Agapanthus*.
 Agapanthus—African Lily.
 Ageratum—Floss Flower.
 Agrostemma—Rose Campion.
 Allegheny Vine—*Adlumia*.
 Aloysia citriodora—Lemon Verbena.
 Althaea rosea—Hollyhock.
 Althaea—Rose of Sharon.
 Alum Root—*Heuchera*.
 Alyssum saxatile—Basket of Gold.
 Amaranthus caudatus—Love Lies Bleeding.
 Amaranthus tricolor—Joseph's Coat.
 Amaryllis formosissima—*Jacobaeae* Lily.
 Amethyst—*Browallia*.
 Ampelopsis—Virginia Creeper.
 Ampelopsis Veitchii—Boston Ivy.
 Anchusa—Sea Bugloss.
 Anemone—Windflower.
 Anthericum—St. Bruno's Lily.
 Antirrhinum—Snapdragon.
 Aquilegia—Columbine.
 Arabis—Rock Cress.
 Arctotis—African Daisy.
 Aristolochia—Dutchman's Pipe.
 Armeria—Sea Pink, Thrift.
 Artemisia absinthium—Wormwood.
 Asclepias—Butterfly Weed.
 Asparagus Fern—*Asparagus plumosus*.
 Asperula—Waldmeister, Woodruff.
 Baby's Breath—*Gypsophila*.
 Baby Primrose—*Primula Forbesi*.
 Bachelor's Button—*Centaurea*, *Gomphrena*, *Bellis*.
 Balloon Vine—*Cardiospermum*.
 Balsam—Lady Slipper.
 Balsam Apple—*Momordica Balsamina*.
 Baptisia—False Indigo.
 Barberry—*Berberis*.
 Basket of Gold—*Alyssum saxatile*.
 Beard Tongue—*Penstemon*.
 Bee Balm—*Monarda*.
 Bell Flower—*Campanula*.
 Bellflower Lily—*Lilium canadense*.
 Bellis—Bachelor's Button, English Daisy.
 Berberis—Barberry.
 Bergamot—*Monarda*.
 Bignonia—Trumpet Vine.
 Black Eyed Susan—*Thunbergia*.
 Blanket Flower—*Gaillardia*.
 Blazing Star—*Liatris*.
 Bleeding Heart—*Dielytra*.
 Blue Bottle—*Centaurea cyanus*.
 Bluets—*Centaurea cyanus*.
 Bocconia—Plume Poppy.
 Boltonia—False Chamomile.
 Boston Ivy—*Ampelopsis Veitchii*.
 Boxwood—*Buxus*.
 Brachycome—Swan River Daisy.
 Bridal Wreath—*Spiraea prunifolia*.
 Briza—Quaking Grass.
 Browallia—Amethyst.
 Buddleya—Butterfly Bush.
 Bush Eschscholtzia—*Hunnemannia*.
 Buttercup—*Trollius*.
 Butterfly Bush—*Buddleya*.
 Butterfly Flower—*Schizanthus*.
 Butterfly Pea—*Centrosema*.
 Butterfly Weed—*Asclepias*.
 Buttonwood—*Platanus orientalis*.
 Buxus—Boxwood.
 Calacia—Tassel Flower.
 Caladium—Elephant Ears.
 Calendula—Pot Marigold.
 California Poppy—*Eschscholtzia*.
 Callirhoe—Poppy Mallow.
 Calycanthus—Sweet Shrub.
 Campanula calyc.—Cup and Saucer.
 Campanula carpatica—Hare Bell.
 Campion—*Lychnis*.
 Canarybird Flower—*Tropaeolum Canariense*.
 Candytuft—*Iberis*.
 Canna—Indian Shot.
 Canterbury Bells—*Campanula medium*.
 Cape Jessamine—*Gardenia florida*.
 Cardinal Flower—*Lobelia Cardinalis*.
 Castor Oil Beans—*Ricinus*.
 Catchfly—*Silene*.
 Catalpa—Umbrella Tree.
 Centaurea cyanus—Bachelor's Button, Cornflower, Blue Bottle, Bluets, Ragged Sailor.
 Centaurea moschata—Sweet Sultan.
 Centrosema—Butterfly Pea.
 Celosia cristata—Cockscomb.
 Cerastium—Snow in the Summer.

Cercis—Judas Tree.
 Chinese Bell Flower—*Platycodon*.
 Chinese Lantern Plant—*Physalis*.
 Christmas Rose—*Helleborus Niger*.
 Chrysanthemum frutescens—*Marguerite*, Paris Daisy.
 Cigar Plant—*Cuphea platycentra*.
 Clove Pinks—*Dianthus plumarius*.
 Cockscomb—*Celosia cristata*.
 Coix—Job's Tears.
 Columbine—*Aquilegia*.
 Cone Flower—*Rudbeckia*.
 Convallaria—Lily of the Valley.
 Convolvulus—Morning Glory.
 Coral Lily—*Lilium tenuifolium*.
 Cornflower Aster—*Stokesia*.
 Cornflower—*Centaurea cyanus*.
 Cornus florida—Dogwood.
 Cowslip—*Primula veris*.
 Crane's Bill—*Geranium*.
 Crataegus—Hawthorn.
 Cup and Saucer—*Campanula calyc.*
 Cuphea platycentra—Cigar plant.
 Cycas—Sago Palm.
 Cyperus—Umbrella Plant.
 Cypress Vine—*Ipomea Quamoclit*.
 Cytisus—Golden Chain.
 Daisy—*Bellis perennis*.
 Datura cornucopia—Horn of Plenty.
 Datura—Trumpet Flower.
 Day Lily—*Funkia*, *Hemerocallis*.
 Delphinium—Larkspur.
 Dianthus barbatus—Sweet William.
 Dianthus—Pinks.
 Dianthus plumarius—Clove Pinks.
 Dielytra—Bleeding Heart.
 Dictamnus—Gas Plant.
 Digitalis—Foxglove.
 Dimorphotheca—Orange Daisy.
 Dogwood—*Cornus florida*.
 Dolichos—Hyacinth Beans.
 Doronicum—Leopard's Bane.
 Dusty Miller—*Centaurea gymnocarpa*.
 Dusty Miller—*Cineraria Maritima*.
 Dutchman's Pipe—*Aristolochia*.
 Echinops—Globe Thistle.
 Echinocystis—Wild Cucumber.
 Edelweiss—*Gnaphalium*.
 Egyptian Lotus—*Nelumbium*.
 Elephant Ears—*Caladium*.
 English Daisy—*Bellis*.
 English Primrose—*Primula vulgaris*.
 Erianthus—Plume Grass.
 Eryngium—Sea Holly.
 Eulalia—Zebra Grass.
 Euphorbia—Mexican Fire Plant.
 Evening Primrose—*Oenothera*.
 Everlastings—*Acroclonium*, *Gomphrena*, *Helichrysum*, *Rhodanthe*, *Xeranthemum*.
 Everlasting Pea—*Lathyrus latifolius*.
 Exochorda grandiflora—Pearl Bush.
 Fairy Lily—*Zephyranthes*.
 False Chamomile—*Boltonia*.
 False Dragon Head—*Physostegia*.
 False Indigo—*Baptisia*.
 Feather Grass—*Stipa*.
 Feverfew—*Matricaria*.
 Flax—*Linum*.
 Fleur de lis—*Iris germanica*.
 Floss Flower—*Ageratum*.
 Flowering Maple—*Abutilon*.
 Flowering Tobacco—*Nicotiana*.
 Forget-me-not—*Myosotis*.
 Forsythia—Golden Bell.
 Fountain Grass—*Pennisetum*.
 Four o'clocks—*Mirabilis*.
 Foxglove—*Digitalis*.
 Fuchsia—Lady's Ear Drop.
 Funkia—Day Lily.
 Gaillardia—Blanket Flower.
 Gardener's Garters—*Phalaris*.
 Garden Heliotrope—*Valeriana*.
 Gardenia florida—Cape Jessamine.
 Gay Feather—*Liatris*.
 Gas Plant—*Dictamnus*.
 Gentian—*Gentiana*.
 Geranium—Crane's Bill.
 Gilliflower—*Stocks*.
 Globe Amaranth—*Gomphrena*.
 Globe Flower—*Trollius*.
 Globe Thistle—*Echinops*.
 Gnaphalium—Edelweiss.
 Gold Dust—*Alyssum saxatile*.
 Golden Bell—*Forsythia*.
 Golden Chain—*Cytisus*.
 Golden Feather—*Pyrethrum aureum*.
 Golden Rod—*Solidago*.
 Gomphrena—Everlastings, Globe Amaranth, Bachelor's Button.
 Grass Pinks—*Dianthus plumarius*.
 Gynerium—Pampas Grass.
 Gypsophila—Baby's Breath.
 Hare Bell—*Campanula carpatica*.
 Hawthorn—*Crataegus*.
 Heart's Ease—*Pansy*.
 Helanium—Sneezewort.
 Helianthemum—Rock Rose.
 Helianthus—Sunflower.
 Helichrysum—Everlasting, Strawflower.
 Helleborus niger—Christmas Rose.
 Helmet Flower—*Aconitum*.
 Hemerocallis—Day Lily.

Hesperis—Sweet Rocket, Rocket.
 Heuchera—Alum Root.
 Hollyhocks—*Althaea rosea*.
 Honesty—*Lunaria*.
 Hops—*Humulus*.
 Hordeum—Squirrel Tail Grass.
 Horn of Plenty—*Datura cornucopia*.
 Hunnemannia—Bush Eschscholtzia.
 Hyacinth Beans—*Dolichos*.
 Ice Plant—*Mesembryanthemum*.
 Indian Shot—*Canna*.
 Ipomea noctiflora—Moonflower.
 Ipomea Quamoclit—Cypress Vine.
 Jacobean Lily—*Amaryllis formosissima*.
 Jacobaea—*Senecio*.
 Japan Pinks—*Dianthus Heddewigii*.
 Jerusalem Cherry—*Solanum capsicastrum*.
 Job's Tears—*Coix*.
 Judas Tree—*Cercis*.
 Joseph's Coat—*Amaranthus tricolor*.
 Kalmia latifolia—Mountain Laurel.
 Kenilworth Ivy—*Linaria cymbalaria*.
 Kochia—Mexican Fire Bush, Summer Cypress.
 Kudzu Vine—*Pueraria*.
 Lady's Ear Drop—*Fuchsia*.
 Lady's Slipper—*Balsam*.
 Larkspur—*Delphinium*.
 Lathyrus latifolius—Everlasting Pea.
 Leadwort—*Plumbago*.
 Lemon Verbena—*Aloysia citriodora*.
 Leopard's Bane—*Doronicum*.
 Liatris—Gay Feather.
 Lilac—*Syringa*.
 Lily of the Valley—*Convallaria*.
 Lobelia cardinalis—Cardinal Flower.
 Loose Strife—*Lythrum*.
 Love Grove—*Nemophila*.
 Love in a Mist—*Nigella*.
 Love Lies Bleeding—*Amaranthus caudatus*.
 Linaria cymbalaria—Kenilworth Ivy.
 Luffa—*Cucumis acutangulus*.
 Lunaria—Honesty, Moonwort.
 Lychnis—Campion.
 Lychnis—Ragged Robin, Rose Campion.
 Lythrum—Loose Strife.
 Maiden Hair Fern—*Adiantum*.
 Mallow—*Hibiscus*.
 Marguerite—*Chrysanthemum frutescens*.
 Marigold—*Tagetes*.
 Marshmallow—*Hibiscus*.
 Marvel of Peru—*Mirabilis*.
 Mathiola—Night Scented Stock.
 Matricaria—Feverfew.
 Meadow Rue—*Thalictrum*.
 Mesembryanthemum—Ice Plant.
 Mexican Fire Bush—*Kochia*.
 Mexican Fire Plant—*Euphorbia*.
 Michaelmas Daisy—*Aster perennis*.
 Mignonette—*Reseda*.
 Mimosa—Sensitive Plant.
 Mimulus moschatus—Musk Plant.
 Mirabilis—Four o'clocks, Marvel of Peru.
 Mock Orange—*Philadelphus*.
 Momordica Balsamina—Balsam Apple.
 Monarda—Bee Balm, Bergamot.
 Monk's Hood—*Aconitum*.
 Moonflower—*Ipomea noctiflora*.
 Moonwort—*Lunaria*.
 Morning Glory—*Convolvulus*.
 Moss Pink—*Phlox subulata*.
 Mountain Fringe—*Adlumia*.
 Mountain Laurel—*Kalmia latifolia*.
 Mourning Bride—*Scabiosa*.
 Musa ensete—Abyssinian Banana.
 Musk Plant—*Mimulus moschatus*.
 Myosotis—Forget-me-not.
 Myrtle—*Vinca minor*.
 Nelumbium—Egyptian Lotus.
 Nemophila—Love Grove.
 Nicotiana—Flowering Tobacco.
 Nigella—Love in a Mist.
 Night Scented Stock—*Mathiola*.
 Oenothera—Evening Primrose.
 Orange Daisy—*Dimorphotheca*.
 Ox-Eye—*Adonis vernalis*.
 Painted Tongue—*Salpiglossis*.
 Pampas Grass—*Gynerium*.
 Pancratium Lily—*Ismene calathina*.
 Paris Daisy—*Chrysanthemum frutescens*.
 Passiflora—Passion Flower.
 Passion Flower—*Passiflora*.
 Peach Bells—*Campanula persicifolia*.
 Pearl Bush—*Exochorda grandiflora*.
 Periwinkle—*Vinca*.
 Phalaris—Gardener's Garters.
 Phalaris—Ribbon Grass.
 Pheasant's Eye—*Adonis aestivalis*.
 Philadelphus—Mock Orange.
 Phlox drummondii—Flame Flower.
 Phlox subulata—Moss Pink.
 Pincushion Flower—*Scabiosa*.
 Pinks—*Dianthus*.
 Platanus orientalis—Buttonwood.
 Platycodon—Chinese Bell Flower.
 Plumbago—Leadwort.
 Plume Grass—*Erianthus*.

Plume Poppy—*Bocconia*.
 Polyanthus—*Primula elatior*.
 Poppy Mallow—*Callirhoe*.
 Poppy—*Papaver*.
 Pot Marigold—*Calendula*.
 Pueraria—Kudzu Vine.
 Pyrethrum aureum—Golden Feather.
 Quaking Grass—*Briza*.
 Rag Gourd—*Cucumis acutangulus*.
 Ragged Robin—*Lychnis*.
 Ragged Sailor—*Centaurea cyanus*.
 Red Bud—*Cercis canadensis*.
 Red Hot Poker Plant—*Tritoma*.
 Reed—*Arundo donax*.
 Reseda—Mignonette.
 Rhodanthe—Everlastings.
 Ribbon Grass—*Phalaris*.
 Rock Cress—*Arabis*.
 Rocket—*Hesperis*.
 Rock Rose—*Helianthemum*.
 Rose Campion—*Agrostemma*.
 Rose Campion—*Lychnis*.
 Rose of Sharon—*Althaea*.
 Rudbeckia—Cone Flower.
 Sago Palm—*Cycas*.
 Salpiglossis—Painted Tongue.
 Salvia splendens—Scarlet Sage.
 Saponaria—Soapwort.
 Satin Flower—*Godetia*.
 Scabiosa—Mourning Bride.
 Scabiosa—Pincushion Flower.
 Scarlet Sage—*Salvia splendens*.
 Schizanthus—Butterfly Flower.
 Sea Bugloss—*Anchusa*.
 Sea Lavender—*Statice*.
 Sea Holly—*Eryngium*.
 Sea Pink—*Armeria*.
 Sedum—Stonecrop.
 Senecio—*Jacobaea*.
 Sensitive Plant—*Mimosa*.
 Silene—Catchfly.
 Silk Oak—*Grevillea*.
 Snapdragon—*Antirrhinum*.
 Sneezewort—*Helenium*.
 "—*Achillea*.
 Snowball—*Viburnum*.
 Snowberry—*Symphoricarpos*.
 Snow in the Summer—*Cerastium*.
 Snow on the Mountain—*Euphorbia*.
 Soapwort—*Saponaria*.
 Solanum capsicastrum—Jerusalem Cherry.
 Solidago—Golden Rod.
 Speedwell—*Veronica*.
 Spider Plant—*Cleome*.
 Squirrel Tail Grass—*Hordeum*.
 Star of Bethlehem—*Ornithogalum*.
 Statice—Sea Lavender.
 St. Bruno's Lily—*Anthericum*.
 St. John's Wort—*Hypericum*.
 Stonecrop—*Sedum*.
 Stipa—Feather Grass.
 Stocks—Gilliflower.
 Stokesia—Cornflower Aster.
 Strawflower—*Helichrysum*.
 Summer Cypress—*Kochia*.
 Sunflower—*Helianthus*.
 Symphoricarpos—Snowberry.
 Syringa—Lilac.
 Swan River Daisy—*Brachycome*.
 Sweet Pepper Bush—*Chletra*.
 Sweet Rocket—*Hesperis*.
 Sweet Shrub—*Calycanthus*.
 Sweet Sultan—*Centaurea moschata*.
 Sweet William—*Dianthus barbatus*.
 Tagetes—Marigold.
 Tassel Flower—*Calacia*.
 Thrift—*Armeria*.
 Thunbergia—Black Eyed Susan.
 Tobacco—*Nicotiana*.
 Transvaal Daisy—*Gerbera*.
 Trillium—Wake Robin, Wood Lily.
 Tritoma—Red Hot Poker.
 Trollius—Buttercup.
 Trumpet Flower—*Datura*.
 Trumpet Vine—*Bignonia*.
 Tufted Pansies—*Viola cornuta*.
 Turk's Cap Lily—*Lilium superbum*.
 Valeriana—Garden Heliotrope.
 Viburnum—Snowball.
 Vinca minor—Myrtle.
 Vinca—Periwinkle.
 Viola cornuta—Tufted Pansies.
 Virgin's Bower—*Clematis*.
 Virginia Creeper—*Ampelopsis quinquefolia*.
 Umbrella Plant—*Cyperus*.
 Umbrella Tree—*Catalpa*.
 Waldmeister—*Asperula*.
 Wallflower—*Cheiranthus*.
 Wake Robin—*Trillium*.
 Wild Cucumber—*Echinocystis*.
 Windflower—*Anemone*.
 Wolf's Bane—*Aconitum*.
 Wood Lily—*Trillium*.
 Wood Fern—*Aspidium*.
 Woodruff—*Asperula*.
 Wormwood—*Artemisia absinthium*.
 Xeranthemum—Everlastings.
 Yarrow—*Achillea*.
 Youth and Old Age—*Zinnia*.
 Yucca—Adam's Needle.
 Zebra Grass—*Eulalia*.
 Zephyranthes—Fairy Lily.



A Rock Garden planted in this fashion makes a dull spot bright

FLOWERS AND PLANTS FOR ROCK GARDENS

In the past few years Rock Gardens and Rockeries, although of ancient origin, have justly come in favor again. There are few gardens, where something of this sort might not be constructed and made highly attractive, especially in locations where stones are plentiful. They may be used for hiding unsightly objects, or for giving variety to an otherwise flat and monotonous garden. Below we give a selection of plants, especially suited for this purpose.

Varieties marked S. can be furnished in seeds only; marked P., plants only; marked S. P. either plants or seeds. See index of catalog for listing.

- S. P. *Alyssum maritimum* (Sweet Alyssum)
- S. P. *Alyssum saxatile compactum* (Gold Dust)
- S. P. *Aquilegia* in varieties (Columbine)
- P. *Arabis alpina* (Rock Cress)
- S. *Asperula odorata* (Woodruff)
- P. *Aubrietia* (Wall Cress)
- S. P. *Candytuft sempervirens*.
- S. P. *Campanula carpatia* (Hare Bell)
- S. *Centaurea candidissima* (Dusty Miller)
- S. P. *Cerastium tomentosum* (Snow in the Summer)

- S. *Centaurea gymnocarpa*
- P. *Euonymus radicans*.
- P. Ferns, Hardy varieties.
- S. P. *Gnaphalium* (Edelweiss)
- S. *Gypsophila elegans*.
- S. P. *Gypsophila paniculata* (Baby's Breath)
- P. *Helianthemum* (Rock Rose)
- S. *Mesembrianthemum* (Ice Plant)
- S. P. *Myosotis* (Forget-me-not)
- P. *Plumbago larpentae* (Leadwort)
- P. *Phlox subulata* (Moss Pink)
- S. *Portulaca*.
- S. P. *Sedum* (Stone Crop)
- S. *Silene* (Catchfly)
- S. P. *Vinca* (Periwinkle)

FLOWERING PLANTS FOR CUTTING AND OPEN BORDER PLANTING

ANNUALS

- S. P. *Antirrhinum* (Snapdragon)
- S. *Arctotis* (African Daisy)
- S. P. *Asters*
- S. *Calliopsis*
- S. *Centaurea* (Cornflower)
- S. *Candytuft*
- S. *Celosia plumosa* (Cockcomb)
- S. P. *Cosmos*
- S. *Chrysanthemum tricolor*
- S. " *coronarium*
- S. *Dimorphotheca*
- S. *Gaillardia* (Blanket Flower)
- S. *Gypsophila elegans*
- S. *Gomphrena*
- S. *Larkspur*
- S. *Lupinus*
- S. *Marigold*
- S. P. *Mignonette*
- S. *Nasturtium*
- S. P. *Pinks*
- S. *Salpiglossis*
- S. *Scabiosa*
- S. *Stocks*
- S. *Sunflower*
- S. *Sweet Peas*
- S. *Sweet Sultan*
- S. *Zinnia*

PERENNIALS

- S. P. *Aquilegia* (Columbine)
- S. P. *Achillea* (Sneezewort)
- S. P. *Anthemis* (Rock Cress)
- S. P. *Anemone* (Windflower)
- P. *Artemisia lactiflora*
- S. P. *Aster, Hardy Perennial*
- S. P. *Boltonia* (False Chamomile)
- S. P. *Coreopsis*
- S. P. *Carnation*
- S. P. *Delphinium*
- S. P. *Eupatorium*
- S. P. *Gaillardia grandiflora*
- S. P. *Gypsophila paniculata*
- S. P. *Geum*
- S. P. *Heliopsis*
- S. P. *Heuchera* (Alum Root)
- S. P. *Lily of the Valley*
- S. P. *Lupinus*
- S. P. *Phlox decussata*
- S. P. *Paris Daisy*
- S. P. *Pentstemon*
- S. P. *Pinks*
- S. P. *Rudbeckia*
- S. P. *Shasta Daisy*
- S. P. *Stokesia*
- S. P. *Statice*
- S. P. *Stevia*
- P. *Thalictrum*



Borders on the edges of lawns planted in this fashion are an attraction from early Spring to Fall

A number of Plants, which are grown from Bulbs, produce splendid cut flowers, especially: *Gladiolus*, *Dahlias*, *Acid-anthera*, *Callas* and *Tuberoses*.

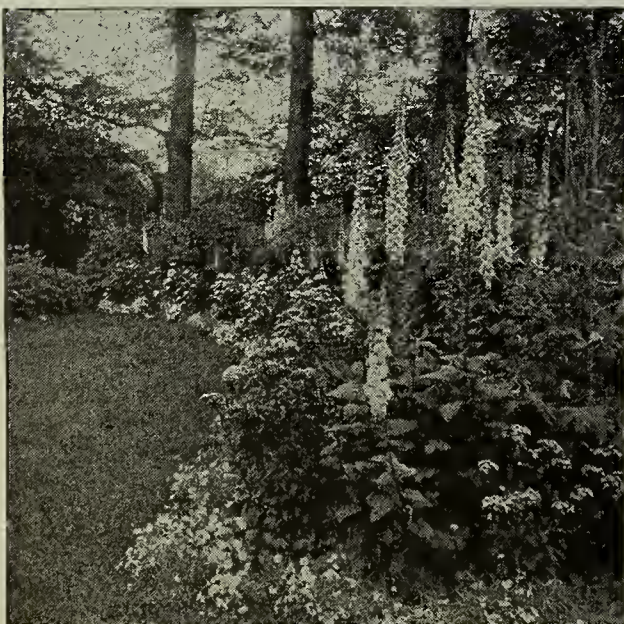
FLOWERS AND PLANTS FOR PARTIALLY SHADED LOCATIONS

Very few plants will flower in places, from which sunshine is *entirely* excluded. They may grow well enough, developing leaves, but *plants* of nearly all kinds must have at least some sunshine. With the exception of Hardy Ferns, which will do very well even in dense shade, the varieties named below should have sunlight for at least 2 hours during the day, to produce best results.

- S. P. *Aconitum* (Monks Hood)
- S. P. *Anemone* (Windflower)
- S. P. *Aquilegia* (Columbine)
- S. P. *Auricula*
- S. *Asperula* (Woodruff)
- S. *Bartonia*
- S. P. *Begonia, Tuberous-rooted* (Can be furnished in Bulbs also)
- S. P. *Bellis* (Daisy)
- S. P. *Campanula* (Canterbury Bells)
- S. *Clarkia*
- S. P. *Coreopsis lanceolata*
- S. P. *Cowslip*
- S. P. *Delphinium* (Larkspur)
- S. P. *Digitalis* (Foxglove)
- P. Ferns (Hardy)
- S. P. *Fuchsia*
- S. P. *Gentiana* (Gentian)
- S. P. *Lily of the Valley*

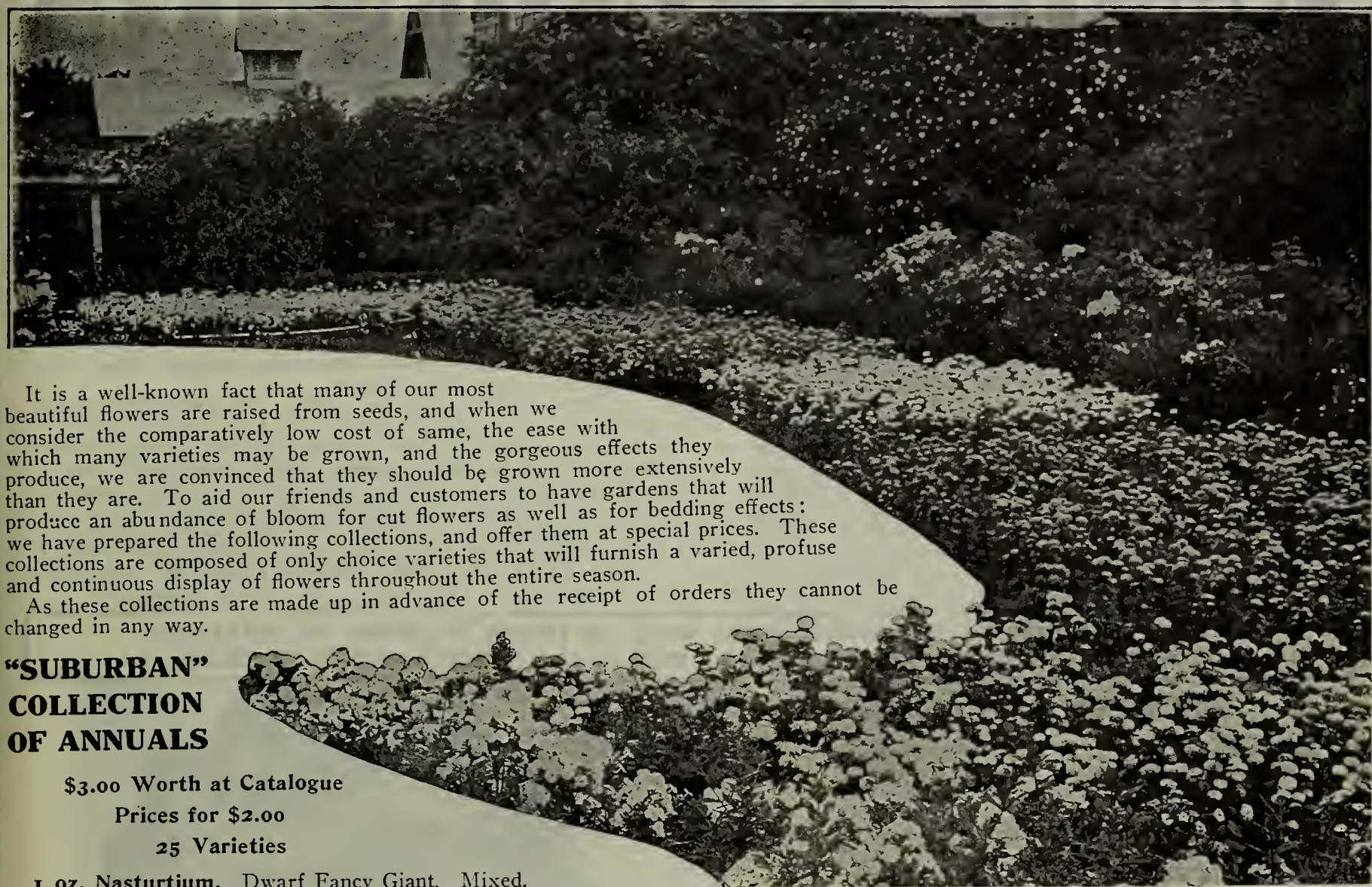
- S. P. *Lobelia Cardinalis* (Cardinal Flower)
- S. *Linum* (Flax)
- S. *Matricaria* (Feverfew)
- S. *Mimulus* (Musk Plant)
- S. P. *Myosotis* (Forget-me-not)
- S. *Nemophila* (Love Grove)
- S. *Oenothera* (Evening Primrose)
- P. *Pachysandra*
- S. P. *Pansies*
- S. P. *Poppy* (Perennial varieties)
- S. P. *Polyanthus*
- S. *Schizanthus* (Butterfly-Flower)
- P. *Trollius* (Globe Flower)
- P. *Trillium* (Wood Lily)
- S. *Torenia*
- S. P. *Violets*
- S. P. *Viola cornuta* (Tufted Pansies)

(ho)



Plantings against shaded backgrounds like this accomplish wonderful effects

MICHELL'S SPECIAL ASSORTMENTS OF FLOWER SEEDS



It is a well-known fact that many of our most beautiful flowers are raised from seeds, and when we consider the comparatively low cost of same, the ease with which many varieties may be grown, and the gorgeous effects they produce, we are convinced that they should be grown more extensively than they are. To aid our friends and customers to have gardens that will produce an abundance of bloom for cut flowers as well as for bedding effects: we have prepared the following collections, and offer them at special prices. These collections are composed of only choice varieties that will furnish a varied, profuse and continuous display of flowers throughout the entire season. As these collections are made up in advance of the receipt of orders they cannot be changed in any way.

"SUBURBAN" COLLECTION OF ANNUALS

\$3.00 Worth at Catalogue
Prices for \$2.00
25 Varieties

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
- 1 oz. Nasturtium. Tall Fancy Giant. Mixed.
- 1/4 lb. Sweet Peas. Spencer Varieties. Mixed.
- 1 oz. Mixed or Wild Flower Garden Seeds.

And one packet each of the following:

- | | |
|---|---------------------------------------|
| Ageratum. Blue Perfection. | Marigold. Pride of the Garden. |
| Alyssum. Little Gem. | Mignonette. Machel. |
| Aster. Invincible. Mixed. | Pansy. Giant Trimardeau. Mixed. |
| Balsam. Camellia Flowered. | Petunia. Choicest Mixed. |
| Calliopsis. Golden Wave. | Phlox Drummondii. Grandiflora. Mixed. |
| Candytuft. Giant White. | Poppy. Burbank's Shirley. |
| Celosia. Thompsoni Magnifica. | Portulaca. Double Mixed. |
| Centaurea. Emperor William. | Sunflower. Cut-and-Come-Again. |
| Cosmos. Giant Fancy Mixed. | Zinnia. Giant Robusta. Mixed. |
| Dianthus. Double Fringed Mixed. | |
| Eschscholtzia. Golden West. | |
| Larkspur. Giant Hyacinth Flowered. Mixed. | |

"QUAKER CITY" COLLECTION OF ANNUALS

\$1.50 Worth at Catalogue Prices for \$1.00

- 1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
- 1 oz. Nasturtium. Tall Fancy Giant. Mixed.
- 1 oz. Sweet Peas. Magnificent. Mixed.

And one packet each of the following:

- | | |
|---------------------------------------|---------------------------------------|
| Ageratum. Blue Perfection. | Mignonette. Sweet Scented. |
| Alyssum. Little Gem. | Petunia. Choice Mixed. |
| Aster. Improved Branching. | Phlox Drummondii. Grandiflora. Mixed. |
| Centaurea. Emperor William. | Poppy. Carnation Flowered. Mixed. |
| Cosmos. Giant Mixed. | Portulaca. Double Mixed. |
| Larkspur. Tall Stock Flowered. Mixed. | Zinnia. Giant Robusta. Mixed. |
| Marigold. Large African. | |

For Imported Collections of Flower Seeds see page 80.

Effects like the above can be produced by sowing seeds contained in our Collections

"POPULAR" SEED POCKET OF ANNUALS

75c. Worth at Catalogue Prices for 50c.

One packet each of the following:

- | | |
|----------------------------|------------------------------|
| Alyssum. Sweet. | Petunia. Fine Mixed. |
| Aster. Improved Branching. | Phlox Drummondii. |
| Cosmos. Giant Mixed. | Poppy. Pæony Flowered. |
| Marigold. Dwarf French. | Portulaca. Single Mixed. |
| Mignonette. Sweet Scented. | Sweet Pea. Gilt Edge. Mixed. |
| Nasturtium. Dwarf Mixed. | Zinnia. Tall Double Mixed. |
| Nasturtium. Tall Mixed. | Mixed or Wild Flower Garden. |
| Pansy. Very Fine Mixed. | |

COLLECTION OF HARDY PERENNIALS

\$1.60 Worth at Catalogue Prices for \$1.25

One packet each of the following:

- | | |
|-------------------------------------|-----------------------------------|
| Aquilegia. Single Mixed. | Heuchera. Sanguinea. |
| Calliopsis. Lanceolata Grandiflora. | Hollyhock. Chater's Double Mixed. |
| Campanula. Pyramidalis. Mixed. | Lobelia. Cardinalis. |
| Delphinium. Formosum. | Phlox. Decussata. Mixed. |
| Dianthus. Clove Scented. | Poppy. Orientale. |
| Digitalis. Gloxiniaeflora. Mixed. | Pyrethrum. Single, Mixed. |
| Gaillardia. Grandiflora Superba. | Scabiosa. Caucasica. |
| Gypsophila. Paniculata. | Stokesia. Cyanea. |
| | Sweet William. Double, Mixed. |
| | Mixture of Perennial Flowers. |

Collections of Asters, Dianthus, Phlox, etc., will be found under their respective heads.

MICHELL'S "DISTINCTIVE" FRESH TESTED FLOWER SEEDS

Our flowerseeds have a reputation for their *superior quality* and for the *excellent results* obtained by sowing them. It is our constant endeavor to supply only such *varieties and strains* that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., and may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxgloves, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

**A COMPLETE INDEX FOR FLOWER SEEDS WILL BE FOUND IN FRONT OF CATALOGUE
FOR NOVELTIES, SEE PAGES 12 TO 18. PLEASE USE NUMBERS WHEN ORDERING**

ABUTILON (Chinese Bell Flower)

- 15 **Choice Mixed.** Used extensively for ornamental bedding, also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet \$0.40 \$0.10

ACHILLEA (Milfoil or Yarrow)

- 20 **Ptarmica, Fl. Pl., "The Pearl."** Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; 2 feet.. .30 .10

ACONITUM (Monk's Hood or Helmet Flower)

Hardy perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; Aug.-Sept.

- 25 **Napellus, Blue** \$0.25 \$0.05
27 " **White**40 .05

ACROCLINIUM (Everlasting Flower)

The flowers should be picked before they expand and hung with the tops downward to dry; annual; 1 foot. Large pkt. Pkt.

- 33 **Single Mixed** \$0.15 \$0.05
34 **Double Mixed**15 .05

ADLUMIA (Mountain Fringe or Allegheny Vine)

- 37 **Cirrrosa.** A charming hardy biennial climber, blooming the first season; delicate, feathery foliage, rose-colored flowers; 15 feet25 .10

ADONIS

- 40 **Aestivalis (Flos Adonis or Pheasant's Eye).** Hardy annual; pretty fine cut foliage and dark crimson flowers; height, 1 foot15 .05
42 **Vernalis (Ox Eye).** One of the choicest spring flowering perennial plants; finely cut, ornamental foliage, yellow flowers; 1 foot15 .05

AGROSTEMMA

- 66 **Coronaria (Mullein Pink).** Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August15 .05



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

- 50 **Blue Perfection.** Large heads of deep blue flowers produced in abundance; 15 inches..... \$0.20 \$0.10
61 **Little Blue Star.** Exceedingly dwarf and pretty; plants densely covered with bright blue flowers; height, 5 inches50 .15
54 **Imperial Dwarf Blue.** A compact growing plant; height, 9 inches15 .05
56 **Imperial Dwarf White**15 .05
58 **Imperial Dwarf Mixed**15 .05
52 **Cope's Pet.** Azure blue, 6 inches20 .10
62 **Princess Victoria Louise.** Light blue, white eye .20 .10
60 **Grandiflorum Album.** Extreme large flowers of purest white; height, 1 foot15 .10

You will find some valuable Novelties offered on pages 12 to 18.

ALYSSUM

One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases.

- 71 **Little Gem.** Dwarf compact plants, densely cov-
ered with large pure white flowers; height, 4
inches.....oz., 60. \$0.15 \$0.05
- 74 **Little Dorritt.** Extremely dwarf and compact,
forming perfect little bushes with miniature
white flowers; ideal for narrow edges...oz., 75c. .20 .05
- 73 **Sweet.** The popular old-fashioned sort, the best
for broad edges and vases. Pure white; height,
6 inches.....oz., 25c. .15 .05
- 72 **Saxatile Compactum (Basket of Gold).** An
ideal hardy perennial plant for the spring garden,
flowering in May; silvery foliage with showy
golden yellow flowers; blooms the first season
if sown early indoors; 1 foot.....oz. 50c. .15 .05

AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May.

- 80 **Caudatus (Love Lies Bleeding).** Drooping crim-
son racemes.....Large Pkt. Pkt.
\$0.15 \$0.05
- 86 **Sunrise.** Bronzy crimson foliage shading off to
bright scarlet leaves toward top of stalks..... .30 .10
- 88 **Tricolor Splendens (Joseph's Coat).** Leaves red,
yellow and green..... .20 .05
- 90 **Mixed.** All sorts..... .15 .05

AMPELOPSIS (Boston or Japanese Ivy)

- 100 **Veitchi.** A hardy perennial climber from Japan,
with olive-green leaves, which turn to scarlet in
the autumn; one of the best hardy vines for
covering brick or stone buildings.....oz., 40c. .15 .10

*Alyssum***ANTIRRHINUM (Snapdragon)**

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors from February till May, but even if sown outdoors in May it will flower profusely in September. If properly protected during the winter they will revive and throw up gigantic spikes of flowers during the summer.

MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, dressed with giant flowers of the purest colors.

- 127 **Michell's Giant Salmon Pink.** A valuable addi-
tion to this popular flower; long spikes of a
delicate salmon pink color.....Large Pkt. Pkt.
.40 .15
- 109 **Silver Pink.** A fine variety; long spikes and a
profuse bloomer. Original pkt., \$1.00.
- 113 **Giant Pink**\$0.25 \$0.10
- 114 " **Scarlet**25 .10
- 121 " **Striped**25 .10
- 115 " **White**25 .10
- 116 " **Yellow**25 .10
- 117 " **Mixed.** All colors..... .20 .10
- 125 " **Double White (New)**40 .15
- 126 " **Venus (New).** Shell pink on white ground .40 .20
- 122 **Tall Mixed.** A fine selection.....oz., 40c. .15 .05
- 124 **Imported Collection, 10 Tall Varieties**..... .40

SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 inches high, but have extreme large flowers over most part of the stem.

- 111 **Daphne.** Carmine pink, white throat.....Large Pkt. Pkt.
\$0.25 \$0.10
- 110 **Defiance.** Fiery scarlet..... .25 .10
- 119 **Golden Queen.** Golden yellow, giant flowers.... .20 .10
- 120 **Queen of the North.** Of purest white..... .20 .10
- 118 **Mixed.** All colors..... .20 .10

DWARF ANTIRRHINUMS

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height 12 inches.

- 112 **Tom Thumb Mixed.** All colors..... .20 .05
- 123 **Imported Collection, 10 Dwarf Varieties**..... .40

*Giant Snapdragon (Antirrhinum)*

ANCHUSA (Sea Bugloss) Large pkt. Pkt.

- 102 *Italica* "Dropmore." A strong growing hardy perennial plant, 4 feet high, with rough hairy foliage and long heads of bright blue flowers..\$0.40 \$0.15

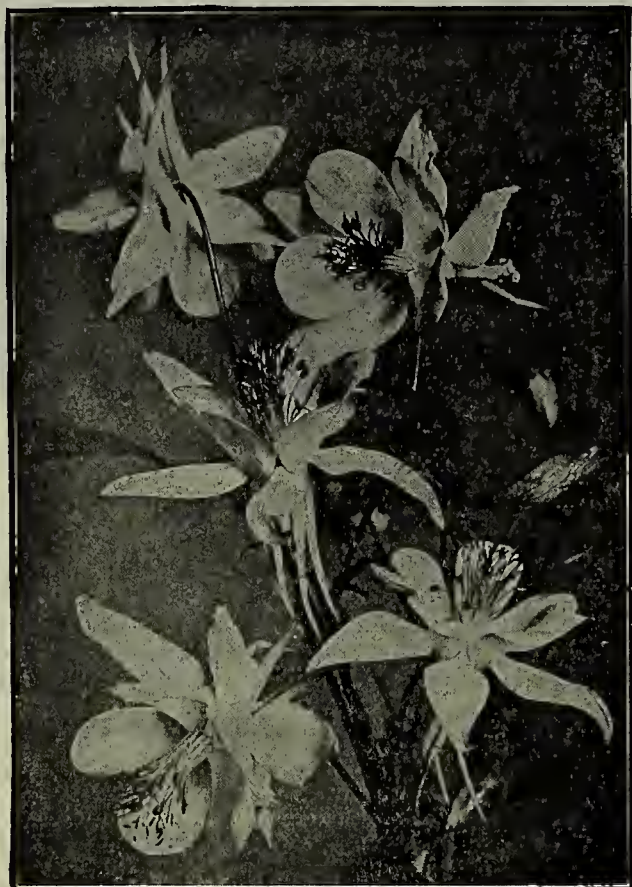
ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial. Large pkt. Pkt.

- 105 *Coronaria Mixed*. 2 feet; all colors.....\$0.20 \$0.05
107 *St. Brigid, or Poppy*. Flowers of large size with distinct rainbow rings in centre..... .40 .15

ANTHEMIS (Hardy Marguerite)

- 108 *Tinctoria Kelwayi*. A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet..... .15 .10

ANTIRRHINUM (Snapdragon) See page 79*Aquilegia—Long Spurred***AQUILEGIAS OR COLUMBINES**

An elegant, graceful, beautiful spring flowering plant, producing exquisitely spurred flowers on stems rising 2 feet above the fern-like foliage; splendid for cutting. Large pkt. Pkt.

- 139 *Long Spurred Hybrids*. A great assortment of all varieties possessing long spurs.....\$0.40 \$0.10
129 *Canadensis*. Scarlet and yellow..... .25 .05
130 *Chrysantha*. Bright golden yellow..... .25 .10
131 " *Alba*. Purest white..... .30 .10
128 *Californica Hybrida*. All colors, long spurs..... .25 .10
132 *Coerulea* (*Rocky Mountain Columbine*). Large flowers, violet, blue and white..... .40 .10
140 *Flabellata Nana Alba*. A dwarf variety, with fine glaucous foliage and large white flowers.. .30 .10
136 *Glandulosa Vera*. Lavender and white..... .40 .15
133 *Haylodgensis Delicatissima*. Satiny rose..... .50 .15
137 *Nivea Grandiflora*. Pure white..... .15 .05
138 *Rose Queen*. Pink, white centre..... .50 .20
134 *Single Mixed*..... .02, 35c. .15 .05
135 *Double Mixed*..... .02, 40c. .15 .05

ARABIS (Rock Cress)

- 144 *Alpina*. Early spring flowering plant especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; May; 6 inches..... .15 .05

*Arctotis Grandis***ARCTOTIS** (African Daisy)

Large pkt. Pkt.

- 150 *Grandis*. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet.....\$0.20 \$0.10

ARTEMESIA

- 152 *Saccorum Viridis* (*Summer Fir*). A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Per pkt., 20c.

ARUNDO, (Ornamental Grass) See page 93**ASPARAGUS**

100 Seeds Pkt

- 158 *Hatcheri*. Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants.....\$1.50 \$0.25
160 *Plumosus Nanus*. An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut..... 1.00 .25
162 *Sprengeri*. One of the best plants to grow in hanging baskets for greenhouse or for outdoors in the summer..... .50 .10

ASPERULA (Woodruff)

Large Pkt. Pkt.

- 165 *Odorata*. Dwarf spring flowers of purest white, thrives in shady situations; perennial; 1 foot; May20 .05

**IMPORTED COLLECTIONS OF
CHOICE FLOWER SEEDS**

Collection of Annuals.	Containing 8 distinct sorts....	\$0.35
Collection of Annuals.	" 12 distinct sorts....	.50
Collection of Annuals.	" 18 distinct sorts....	.75
Collection of Annuals.	" 24 distinct sorts....	1.00
Collection of Perennials.	" 12 distinct sorts....	.40
Collection of Perennials.	" 25 distinct sorts....	.75

MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equalled by any other. For these obvious reasons we give, perhaps, more attention to these flowers than any other and are in position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country, others are imported from most reliable sources. To have early flowers sow the seed in the house from March till May; otherwise sow outdoors after danger from frost has passed. To do well Asters require a well pulverized soil, always kept open by continuous cultivation.



New Astermum

ASTERMUM

A new and valuable variety of Aster; plants grow straight up with strong sturdy stems. Each plant yields from ten to fifteen blooms which last a long while after being cut.

For further description see novelty pages.

			Large pkt.	Pkt.
170	Lavender	1/4 oz.,	\$1.50	\$0.65 \$0.15
171	Pink	1/4 oz.,	1.50	.65 .15
172	White	1/4 oz.,	1.50	.65 .15
173	Mixed	1/4 oz.,	1.50	.65 .15

NEW CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are the largest of any Aster we know of; often measure 5 inches in diameter. The strong erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

		Oz.	Large pkt.	Pkt.
199	White	\$2.50	\$0.50	\$0.15
198	Shell Pink	2.50	50	.15
202	Rose Pink	2.50	50	.15
201	Purple	2.50	.50	.15
203	Mixed	2.50	.50	.15

EARLY WONDER ASTER

Indeed the earliest of all Asters. The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches.

		Oz.	Large Pkt.	Pkt.
228	White	\$3.00	\$0.50	\$0.10
227	Pink	3.00	.50	.10

LADY ROOSEVELT ASTER

251 The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems invariably 40 inches long, crowned with gigantic flowers. The seed we offer is selected from original specimens and then re-cleaned; so it must give absolute satisfaction. Large pkt., 65c.; pkg., 25c.

VICK'S ENCHANTRESS PINK ASTER

312 A new variety of vigorous, upright, branching habit, with a great profusion of long, strong stems; the beautiful, large double flowers have a delicate pink shade of the Enchantress Carnation. The broad, flat petals give a pleasing soft effect. Per pkt., 20c.; 55c. per 3 pkts.

VICK'S WHITE KING ASTER

317 This new variety will attract the attention of every one who is acquainted with the Violet King. The flowers are large, full centered and pure white; stems long, 16 to 20 inches; a profuse bloomer. Per pkt., 20c.; 55c. per 3 pkts.

See pages 82 and 83 for other valuable varieties of Asters.



Crego Aster



Aster—Michell's Improved Semple's Branching

MICHELL'S IMPROVED SEMPLÉ'S BRANCHING ASTER

This is the finest late Aster we can recommend. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. The colors are superb and can be used to advantage as a cut flower. What we offer is not the aster which is usually known by that name, but something much superior, as we are extremely critical in the selection of specimens for seedling. During the past season we have received numerous testimonials on the strength of the quality of this aster.

	Oz.	Large Pkt.	Pkt.
262 White	\$1.50	\$0.40	\$0.10
259 Shell Pink	1.50	.40	.10
257 Lavender	1.50	.40	.10
258 Rose Pink	1.50	.40	.10
260 Purple	1.50	.40	.10
261 Crimson	1.50	.40	.10
263 Choice Mixed	1.50	.40	.10
264 Our Collection (one packet each of above 6 colors)....			.50

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth; produce, on 2 foot long stems, massive pæony-formed flowers, which are always perfectly double. They begin to flower quite early in summer and remain perfect until checked by frost.

	Oz.	Large Pkt.	Pkt.
239 White	\$2.25	\$0.40	\$0.10
238 Rose Pink	2.25	.40	.10
237 Lavender	2.25	.40	.10
235 Blue	2.25	.40	.10
236 Crimson	2.25	.40	.10
239a. Mixed. All colors	2.25	.40	.10
248 Our Collection (one packet each of above 5 colors)...			.40

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

	Oz.	Large Pkt.	Pkt.
279 White	\$1.00	\$0.25	\$0.10
277 Blush Pink	1.00	.25	.10
274 Rose Pink	1.00	.25	.10
276 Light Blue	1.00	.25	.10
275 Dark Blue	1.00	.25	.10
278 Crimson	1.00	.25	.10
280 Choice Mixed	1.00	.25	.10
273 Our Collection (one packet each of above 6 colors) .....			.50
281 Imported Collection of 8 Colors .....			.60

PAEONY-FLOWERED PRIZE ASTER (Truffaut's)

Perfectly shaped flowers, each petal regularly incurved to meet at the centre, carried straight on stems 18 inches high.

	Oz.	Large Pkt.	Pkt.
304 White	\$2.25	\$0.40	\$0.10
302 Pink	2.25	.40	.10
301 Light Blue	2.25	.40	.10
303 Purple Violet	2.25	.40	.10
300 Crimson	2.25	.40	.10
305 Choicest Mixed	2.00	.40	.10
307 Our Collection (one pkt. each of above 5 colors) .....			.40
306 Imported Collection of 12 Colors .....			.75

GIANT COMET ASTER

A flower of exquisite form, similar to the Hohenzollern and resembling Japanese Chrysanthemums; petals are curled downward at the tips and resemble ostrich feathers.

	Oz.	Large Pkt.	Pkt.
194 White	\$2.25	\$0.40	\$0.10
192 Peach Blossom	2.25	.40	.10
193 Pink and White	2.25	.40	.10
190 Light Blue	2.25	.40	.10
189 Dark Blue	2.25	.40	.10
191 Crimson	2.25	.40	.10
195 Choice Mixed	2.00	.40	.10
197 Our Collection (one pkt. each of above 6 colors) .....			.50
196 Imported Collection of 12 Colors .....			.75

FIRST PRIZE FOR MICHELL'S ASTERS

MR. HENRY F. MICHELL, Perkasié, Pa., Sept. 26, 1912.
Dear Sir:—Last Spring I purchased some Aster seed from you, which were the best I ever saw; the flowers were large and plenty of them. We were asked to send some of them to the Bucks County Fair. They were arranged in a large bouquet and were awarded First Prize for the best display of Asters. Every flower in the bunch was raised from Michell's seed; they are good enough for me.

Respectfully yours,

W. JOHN BARKEL.



Aster—Invincible



Aster—Daybreak

FIVE VALUABLE ASTERS OF THE "DAYBREAK" TYPE

The Daybreak class forms strong plants of symmetrical growth; flowers large, perfectly double and carried on long, erect stems, seldom less than 18 inches in length.

- | | | | | |
|---|--------|--------|--------|------|
| 270 Michell's Purity (White Daybreak). | Oz. | Large | pkt. | Pkt. |
| Very free flowering; plants are literally one mass of snow white flowers..... | \$3.00 | \$0.40 | \$0.10 | |
| 205 Pink Daybreak. Flowers large, double and of a delicate pink | 3.00 | .40 | .10 | |
| 250 Lavender Daybreak. Large flowers of a beautiful shade of lavender | 3.00 | .50 | .15 | |
| 253 Lemon Drop (Yellow Daybreak). Flowers perfect and symmetrical in form, and of a decided yellow color | 3.00 | .50 | .15 | |
| 284 Salmon King (Salmon Daybreak). A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade | 3.00 | .50 | .15 | |

NOTE—One packet each of the above five varieties of Asters for 50c.

IMPROVED VICTORIA ASTER

A compact upright growing plant with stout stems and deep, full flowers of large size; height, 18 inches.

- | | | | | |
|--|--------|--------|--------|------|
| | Oz. | Large | pkt. | Pkt. |
| 324 White | \$2.75 | \$0.40 | \$0.10 | |
| 321 Pink | 2.75 | .40 | .10 | |
| 320 Light Blue | 2.75 | .40 | .10 | |
| 322 Purple | 2.75 | .40 | .10 | |
| 323 Scarlet | 2.75 | .40 | .10 | |
| 325 Choice Mixed | 2.50 | .40 | .10 | |
| 319 Our Collection (one packet each of above 5 colors).... | | | .40 | |
| 326 Imported Collection of 8 Colors | | | .60 | |

ASTERS—Miscellaneous Sorts

- | | | | |
|--|--------|--------|--------|
| 229 Electric. A new variety, growing about 18 inches high; long wiry stems; flowers large; petals long, thread-like and quilled; color, snowy white | \$3.00 | \$0.50 | \$0.15 |
| 252 Lavender Gem. A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; 2 feet | 3.00 | .50 | .15 |
| 268 Pink Beauty. An excellent variety of the chrysanthemum flowered type; strong, upright growth producing an abundance of immense, double flowers; inner petals incurved; outer, reflexed; Color, a soft, delicate blush pink | 3.00 | .50 | .15 |
| 282 Rose King. Habit of growth similar to the Branching Aster. In form the flower is distinct; petals resemble the quilled varieties, but are larger and broader, those in the centre being curled and incurved | 2.50 | .50 | .15 |
| 316 Violet King. Of the same habit of growth and form of flower as above; color, soft violet lilac | 2.00 | .50 | .10 |
| 266 Peerless Pink. A beautiful variety of the late branching type; comes into bloom a little earlier; flowers large and double; color rich shell pink..... | 3.00 | .65 | .15 |
| 308 Vick's Mikado Pink. Plants of branching habit, and producing flowers of immense size, with long, narrow, gracefully reflexed petals. Color, shell pink..... | 3.00 | .50 | .10 |
| 180 China or German Mixed. This mixture contains many different sorts and colors | .60 | .20 | .05 |

PERENNIAL ASTER (Michaelmas Daisy)

- | | | | |
|--|--------|--------|--|
| 328 Choice Mixed. One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet | \$0.30 | \$0.10 | |
|--|--------|--------|--|

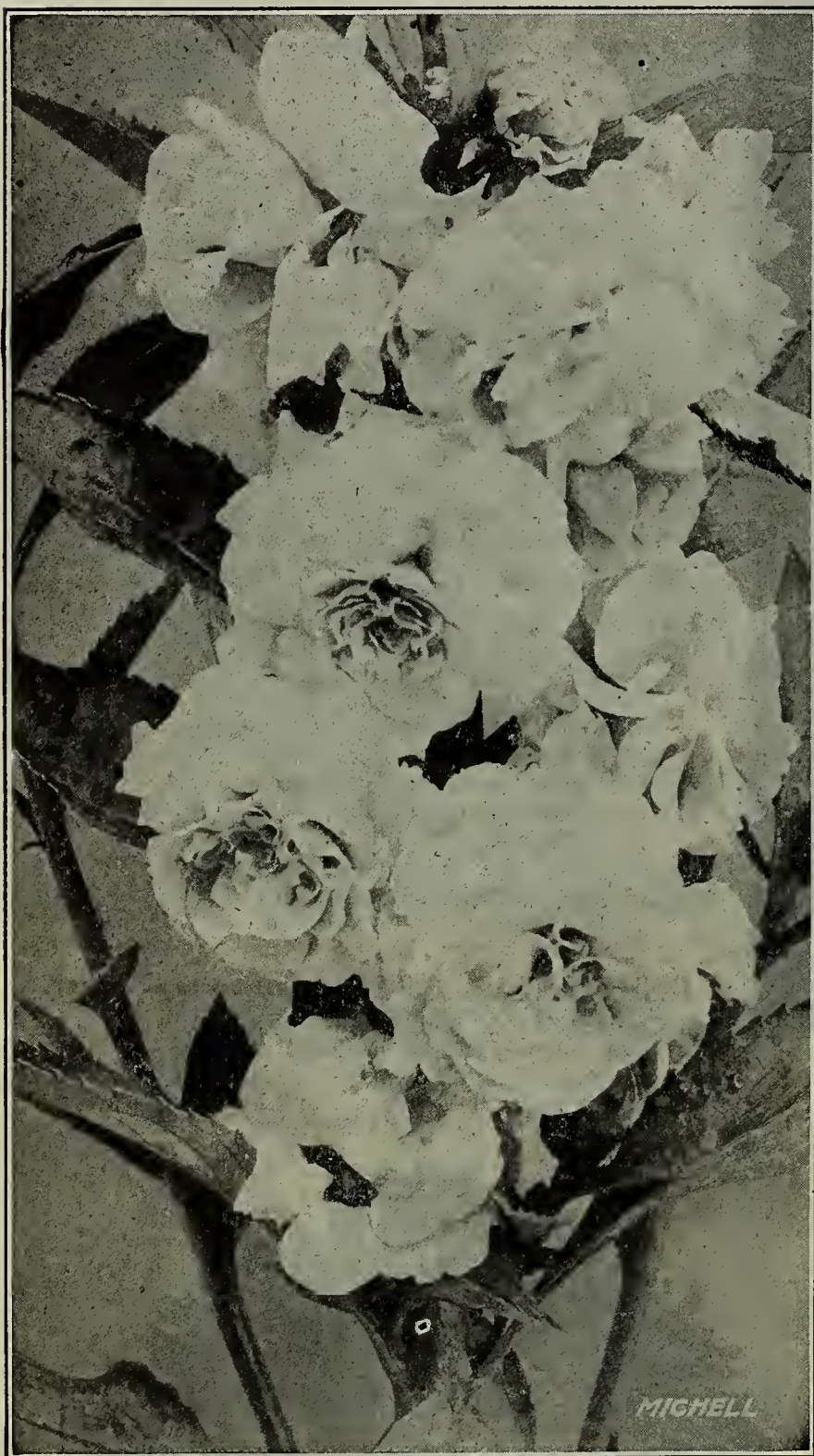


Violet King Aster

AURICULA (*Primula Auricula*) Large pkt. Pkt.

410 **Choice Mixed.** These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May..\$0.50 \$0.10

AVENA, Ornamental Grass (See page 93)



Balsam-Camellia Flowered

MICHELL'S "DISTINCTIVE" BALSAM
(Lady's Slipper)

These old-fashioned flowers have been much improved, and what we offer is a revelation to those who have never seen them. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. They are of easiest possible culture and will surely succeed anywhere; height, 2 feet.

	Oz.	Large pkt.	Pkt.
425 Camellia Flowered, Pink	\$1.00	\$0.25	\$0.05
427 " " Scarlet	1.00	.25	.05
429 " " White Perfection	1.50	.30	.10
426 " " Prince Bismarck.			
Rich salmon pink.	1.50	.30	.10
431 " " Choicest Mixed ...	.75	.20	.10
432 Fine Mixed .....	.50	.15	.05
433 Imported Collection of 6 Colors .....		.30	

BALLOON VINE (*Love-in-a-Puff*)

420 A rapid growing annual climber, with white blossoms; seed pods look like miniature balloons..\$0.20 \$0.05

BALSAM APPLE
(Momordica)

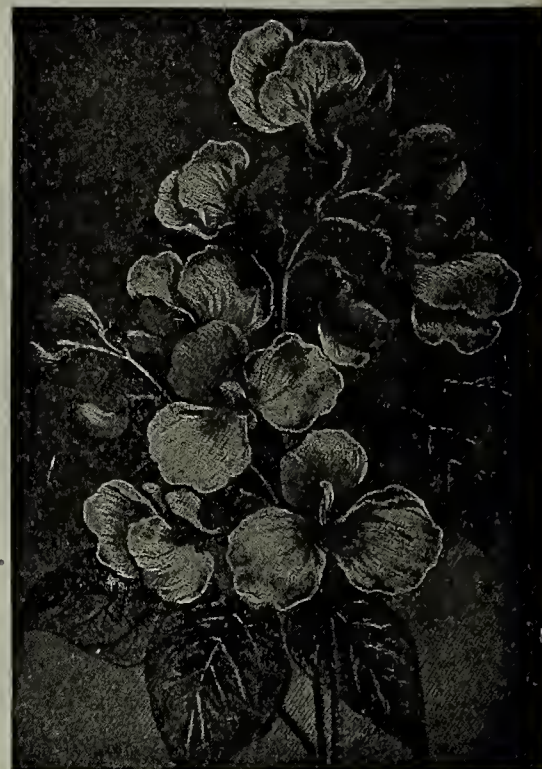
440 Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interior. Oz. 30c., pkt. 5c.

BAPTISIA
(False Indigo)

442 **Australis.** A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July. Large pkt. 20c., pkt. 5c.

BARTONIA

443 **Aurea.** A free blooming showy plant with large golden yellow flowers; thrives well in partial shade; 18 inches. Large pkt. 15c., pkt. 5c.



Butterfly Runner Bean

BEAN (*Runner*)

A rapid climber, flowering profusely; grows 10 to 15 feet high.
 444 **Butterfly Runner.** A new and distinct variety; the flowers are of large size and borne in great profusion; color, pink and white. Oz. 10c., pkt. 5c.
 445 **Scarlet.** Pint, 20c., pkt. 5c.
 446 **White.** Pint 20c., pkt. 5c.

BEGONIA (*Semperflorens Type*)

The value of flowering Begonias as bedding plants has been fully established and the gorgeous effects they have produced have placed them in the front rank of bedding plants. Seeds sown in February or March under glass will produce nice plants for planting out in June.

	Large pkt.	Pkt.
471 Vernon. Rich orange carmine flowers and bronzy-red foliage	\$0.30	\$0.10
455 Anna Regina. Rose-colored flowers .....	.65	.15
459 Erfordia. Delicate pink, one of the choicest....	.40	.15
463 Queen of Carpet Bedder. Of compact dwarf growth and in appearance the same as "Vernon"	.40	.15
473 Zulu King. Blood red flowers and dark red leaves and stem .....	.65	.15
467 Choice Mixed. All sorts and varieties.....	.40	.10

BEGONIA, GRACILIS

This is undoubtedly the finest outdoor flowering Begonia; plants are literally covered with flowers; height, 1 foot.

	Large pkt.	Pkt.
458 Gracilis Rosea. Light pink	\$0.40	\$0.15
457 " Luminosa. Deep red .....	.50	.20
456 " Alba. Pure white .....	.40	.15
460 " Prima Donna. Rose, shading to carmine	.65	.20

BEGONIA, REX HYBRIDS

464 Beautifully formed leaves with colored markings; a popular house plant; choice mixed

BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and are extremely showy; thrive best in semi-shady situations.

	Large pkt.	Pkt.
461 International Prize, Single. The seed we offer is saved from the finest specimens and only the largest flowers		\$0.25
469 Single Choice Mixed	\$0.65	.15
470 Double Choice Mixed .....		.25

BELLIS PERENNIS (See Daisy)**BOLTONIA** (False Chamomile)

- 481 **Latisquama**. A tall, late flowering plant with large pkt. Pkt.
aster-like flowers of pinkish lavender; perenn-
nial; 6 feet; September\$0.30 \$0.10

BRACHYCOME (Swan River Daisy)

- 485 **Iberidifolia**. A profuse flowering annual with
small blue flowers resembling those of the
Cineraria; 9 inches20 .05

BRIZA MAXIMA—ORNAMENTAL GRASS (See page 93)**BROMUS—ORNAMENTAL GRASS** (See page 93)**BROWALLIA**

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if sown in August; 18 inches. Seed may be started in the house from March till May. Lge. pkt. Pkt.

- 500 **Elata Coerulea**. Large sky-blue flowers\$0.20 \$0.05

- 502 **Speciosa Major**. Large-flowering variety of
brilliant ultramarine blue; desirable as a pot
plant for winter and early spring flowering.... .30 .10

**Calendula—Pot Marigold****CALENDULA** (Pot Marigold)

Few annuals are of easier culture; sown in May outdoors they are in bloom within six weeks after sowing and remain in bloom after everything has been killed by frost. They may also be successfully grown in pots indoors.

- | | Oz. | Pkt. |
|---|--------|--------|
| 526 Meteor . Large yellow striped with orange..... | \$0.25 | \$0.05 |
| 527 Orange King . Rich dark orange | .25 | .05 |
| 528 Prince of Orange . Dark orange striped..... | .25 | .05 |
| 525 Grandiflora . Large double yellow | .25 | .05 |
| 529 Sulphurea . Beautiful sulphur yellow | .25 | .05 |
| 530 Mixed | .25 | .05 |

CALCEOLARIA

An ornamental plant, and a universal favorite for decorating the greenhouse or conservatory; produces a mass of beautiful pocket-like flowers. Our strains of Calceolaria have a wide reputation as to large size, rich and varied colors of the flowers.

- 515 **Hybrida Grandiflora, Tall Mixed**. Large flow- lge. pkt. Pkt.
ering, rich, self-colored flowers saved from a
choice collection; 18 inches\$0.75 \$0.25

- 516 **Hybrida Grandiflora Pumila Compacta**. Of
dwarf, compact robust growth, producing im-
mense trusses of large and varied brilliant self-
colored and spotted flowers; 1 foot75 .25

- 517 **James' Superb Strain**. A robust grower, pro-
ducing very large and beautiful flowers; 18 ins. 1.25 .50

- 519 **Sutton's Perfection**. Choicest mixed 1.00

- 518 **Rugosa Mixed (Shrubby)**. Small flowering
varieties for bedding; finest colors; 1 foot 1.25 .50

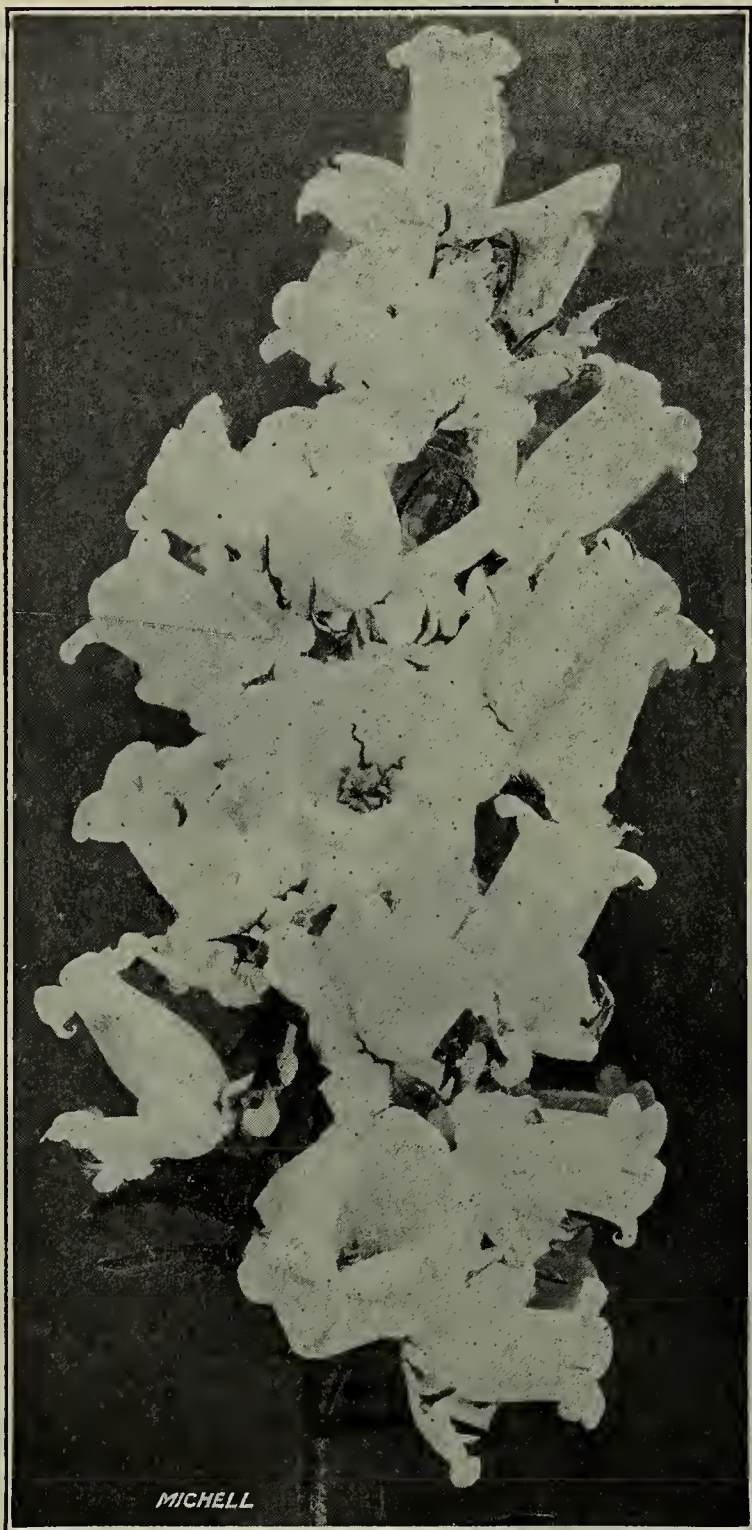
**Calliopsis****CALLIOPSIS** (Coreopsis)

Free flowering plants beginning very early and continuing until frost. Showy and excellent for cutting. Oz. Pkt.

- 535 **Golden Wave**. Large yellow flowers with dark
brown centres\$0.25 \$0.05
536 **Nigra Speciosa**. Rich crimson25 .05
537 **Choice Mixed**. All varieties and colors25 .05

PERENNIAL VARIETIES

- 540 **Lanceolata Grandiflora**. Single golden yellow
flowers of graceful form; invaluable for cut-
ting; flowers uninterruptedly the entire summer .50 .10
541 **California Sunbeams**. Very large flowers beau- lge. pkt. Pkt.
tifully formed; shades of yellow and brown....\$0.25 \$0.10



Canterbury Bell

CAMPANULA MEDIA (Canterbury Bell)

These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them.

	Large pkt.	Pkt.
543 Single Blue	\$.15	\$0.05
544 " Pink	.15	.05
553 " White	.15	.05
550 " Mixed	.15	.05
551 Double Mixed	.20	.05

CAMPANULA CALYCANTHEMA (Cup and Saucer)

These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

	Large pkt.	Pkt.
545 White	\$.30	\$0.10
588 Pink	.30	.10
586 Blue	.30	.10
546 Mixed	.25	.10

CAMPANULAS OR BLUE BELLS**PERENNIAL VARIETIES**

These are among our best known hardy perennials; the tall varieties are fine for cutting while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

538 <i>Carpatica, Blue</i> (<i>Carpathian Hare Bell</i>). Com-Lge. pkt.	Pkt.
pact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July	\$.05 \$0.15
539 <i>Carpatica, White</i> . Same as above	.15 .05
547 <i>Persicifolia Grandiflora, Blue</i> (<i>Peach Bells</i>). Stately spikes, 4 feet tall with immense blue bell-shaped flowers	.30 .15
548 <i>Persicifolia Grandiflora, White</i> . Same as above	.30 .15
549 <i>Pyramidalis</i> (<i>Chimney Bell Flower</i>). Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed	.20 .05

CANARY BIRD FLOWER

555 One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers	Oz. 40c.	.15 .05
--	----------	---------



Michell's Giant White Candytuft

CANDYTUFT (Iberis)

Splendid edging plants, flowering within six weeks after sowing; height, 1 foot. They are excellent for cutting.

561 <i>Michell's Giant White</i> . The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing	Large pkt. Pkt.
oz. 60c.	\$0.20 \$0.10
562 <i>Empress</i> . Large sprays of white flowers with flattened heads; a popular florist kind; oz. 40c.	.15 .10
566 <i>Pink</i> .....oz. 40c.	.15 .05
560 <i>Crimson</i> .....oz. 25c.	.15 .05
559 <i>Carmine</i> . Deep scarlet .....oz. 40c.	.15 .05
568 <i>Purple</i> . Deep rich purple .....oz. 30c.	.15 .05
574 <i>White Rocket</i> . Long spikes .....oz. 20c.	.05
564 <i>Little Prince</i> . Very dwarf and compact with pure white flowers; excellent for edging; oz. 50c.	.15 .10
576 <i>Choice Mixed</i> . All colors .....oz. 20c.	.05
578 <i>Imported Collection, 6 Colors</i> .....	.25
570 <i>Sempervirens</i> . Dwarf spring flowering perennial plants; ideal for the bulb border, flowers of glistening white, May, 8 inches	.30 .10

CANNA (Indian Shot)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape extreme edge of seed with a sharp filing iron and put seeds in wet moss over slight heat. Just as soon as they start they ought to be potted.

	Oz.	Pkt.
597 <i>Choice Mixed</i>	\$.25	\$0.05



Carnation—Marguerite

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer. Start in the house from January till April, but do not set outdoors until danger from frost is past.

600 Early Vienna. Large double flowers in	Large pkt.	Pkt.
choicest mixture; 1 foot	\$0.30	\$0.10
602 Finest German. Double mixed; selected strain.	.65	.25
610 Choice Mixed Double. All sorts .....	.50	.10

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks; and will bloom in four months after sowing the seed. The flowers are large, always perfect, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season.

604 Excelsior Mixed. Immense flowers in all the	Large Pkt.	Pkt.
beautiful shades	\$0.40	\$0.15
605 Pink .....	.40	.10
606 White .....	.40	.10
607 Scarlet .....	.40	.10
608 Yellow .....	.40	.10
609 Choice Mixed	Oz. \$1.00	.25 .10

CASTOR OIL BEAN See Ricinus**CELOSIA CRISTATA (Crested Cockscomb)**

Very desirable for garden effects or edging; easily grown; produces large, brilliant comb-like heads.

630 Aurea. Yellow	\$0.30	\$0.10
617 Giant Empress. Giant heads of rich crimson...	.30	.10
619 Glasgow Prize .....	.25	.10
625 Sutton's Prize. Very dwarf, bright scarlet comb	.50	
631 Choice Mixed	Oz. \$1.00	.20 .05

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting.

622 Pride of Castle Gould. Large flower heads of	Large pkt.	Pkt.
many colors, in mixture	\$0.40	\$0.15
624 Scarlet .....	.15	.10
620 Golden Plume. Bright golden plume .....	.15	.10
623 Spicata. Of pyramid growth; flowers pink		
shading to silvery white; 3 feet .....	.20	.10
626 Thompsoni Magnifica. An improved strain with		
magnificent shades .....	.25	.10
627 Thompson's Superb. A strain with bronze col-		
ored foliage and graceful feathery plumes of		
brilliant crimson; 2 feet .....	.20	.10
633 Choice Mixed. All colors	Oz. 50c.	.15 .05



Centaurea Cyanus (Corn Flower)

CENTAUREA**CENTAUREA CYANUS (Cornflower or Bachelor's Button)**

	Oz.	Pkt.
638 Emperor William. Deep blue	\$0.25	\$0.05
644 Double Blue. Very large..... (Large pkt. 20c.)		.10
639 Pink .....	.25	.05
640 White .....	.25	.05
641 Choice Mixed .....	.25	.05
642 Double Mixed .....	.25	.05

CENTAUREA IMPERIALIS (Giant Cornflower)

Gigantic, beautiful, sweet-scented flowers are borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height of plant, 2 to 3 feet.

	Oz.	Large pkt.	Pkt.
645 Deep Rose	\$0.75	\$0.20	\$0.10
646 Lavender .....	.75	.20	.10
647 Lilac .....	.75	.20	.10
648 Brilliant Pink .....	.75	.20	.10
649 Purple .....	.75	.20	.10
650 White .....	.75	.20	.10
651 Choice Mixed .....	.60	.15	.10
653 Our Collection (one packet each of above 6 varieties) ..			.50

WHITE LEAVED CENTAUREA (Dusty Miller)

Grown for their silvery foliage as edging plants. 500 Seeds Pkt.

636 Gymnocarpa. Fine cut silvery gray foliage.....	\$0.20	\$0.10
635 Candidissima. Broad cut leaves of silvery gray	.30	.10

VARIOUS CENTAUREAS

	Large pkt.	Pkt.
634 Americana. Lilac purple	\$0.20	\$0.10
654 Margaritae. Large white flowers; fragrant....	.25	.10
656 Suaveolens. Bright yellow, fragrant blossoms..	.15	.05
658 Pulcherrimus. Perennial; delicate pink 2½ ft.		.25
655 Montana. Blue; perennial; 18 inches .....	.30	.10
657 " Alba. White .....	.30	.10

**CENTROSEMA (Butterfly Pea)** Lge. pkt. Pkt.

- 660 **Grandiflora.** Bears profusely inverted pea-shaped flowers, from rosy violet to purple with a broad white marking through the centre.....\$0.25 \$0.10

CERASTIUM (Snow in Summer)

- 662 **Tomentosum.** Dwarf, white-leaved edging plant; flowers white; 4 inches 40 .15

CHRYSANTHEMUM—ANNUAL VARIETIES

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

- 669 **Helios.** Extra large pure golden yellow flowers Lge. pkt. Pkt.
often measuring 4 inches across; height, 2 feet.\$0.15 \$0.10
680 **White Star.** Purest white 20 .10
670 **Inodorum, "Snowball."** Large double flowers of finest white and good form; splendid for cutting; 1 foot 20 .10
677 **Segetum Grandiflorum.** Bright golden yellow flowers 15 .05
681 **Single Mixed**oz. 30c. 15 .05
683 **Double Mixed**oz. 30 15 .05

CHRYSANTHEMUM—PERENNIAL VARIETIES

- 666 **Comtesse de Chambord (Golden Paris Daisy)** Lge. Pkt. Pkt.
Single, beautiful clear yellow flowers\$0.20 \$0.10
667 **Frutescens Grandiflorum (Paris Daisy or Marguerite).** Single flowers, white with yellow eye 20 .10
671 **Shasta Daisy, "Alaska."** The finest of all; single white flowers on long stems; 2 feet..... 65 .20
673 **King Edward VII.** Flowers extra large; pure white 25 .10
675 **Princess Henry.** Immense white flowers, 4 inches across; 18 inches 25 .10
685 **Japanese Hybrids.** Large flowers of the finest types; an extra choice mixture; seed sown in spring will produce flowering plants by fall; 18 inches 65 .15

CINERARIA*Grandiflora Prize Cineraria*

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. *Our Grandiflora Prize Strain* is the best procurable, producing immense trusses of the largest flowers, often measuring up to 4 inches across. Has been awarded numerous first prizes.

- 691 **Grandiflora Prize Dwarf.** Mixed colors; plants of dwarf habit\$0.75 \$0.35
693 **Grandiflora Prize Medium Tall.** Mixed colors; desirable as a decorative plant 75 .35
699 **James' Giant Strain.** A superb variety; mixed colors 1.25 .50
707 **Sutton's Superb.** Mixed colors. Original pkt. 75 .75
700 **Matador.** Large bright red flowers 75 .35
695 **Hybrida.** Choice mixed colors 65 .25
702 **Radiata Hybrida.** New varieties of the Star Cineraria in a wide range of colors and shades 75 .20
703 **Stellata (Sutton's).** Medium sized star-like flowers. Original pkt. 75 .75
705 **Stellata Hybrida.** Of graceful and vigorous habit, producing a profusion of elegant flowers 75 .25

WHITE-LEAVED CINERARIA (Dusty Miller)

- 701 **Maritima Candidissima.** Silvery green lacinated foliage, good for edging 15 .05

CLARKIA

Annuals of easy culture; planted in large groups they are very bright and effective, and the long graceful sprays are good for table decorations.

- 708 **Single Mixed.** All colors Large Pkt. Pkt.
709 **Double Mixed.** All colors 15 .05

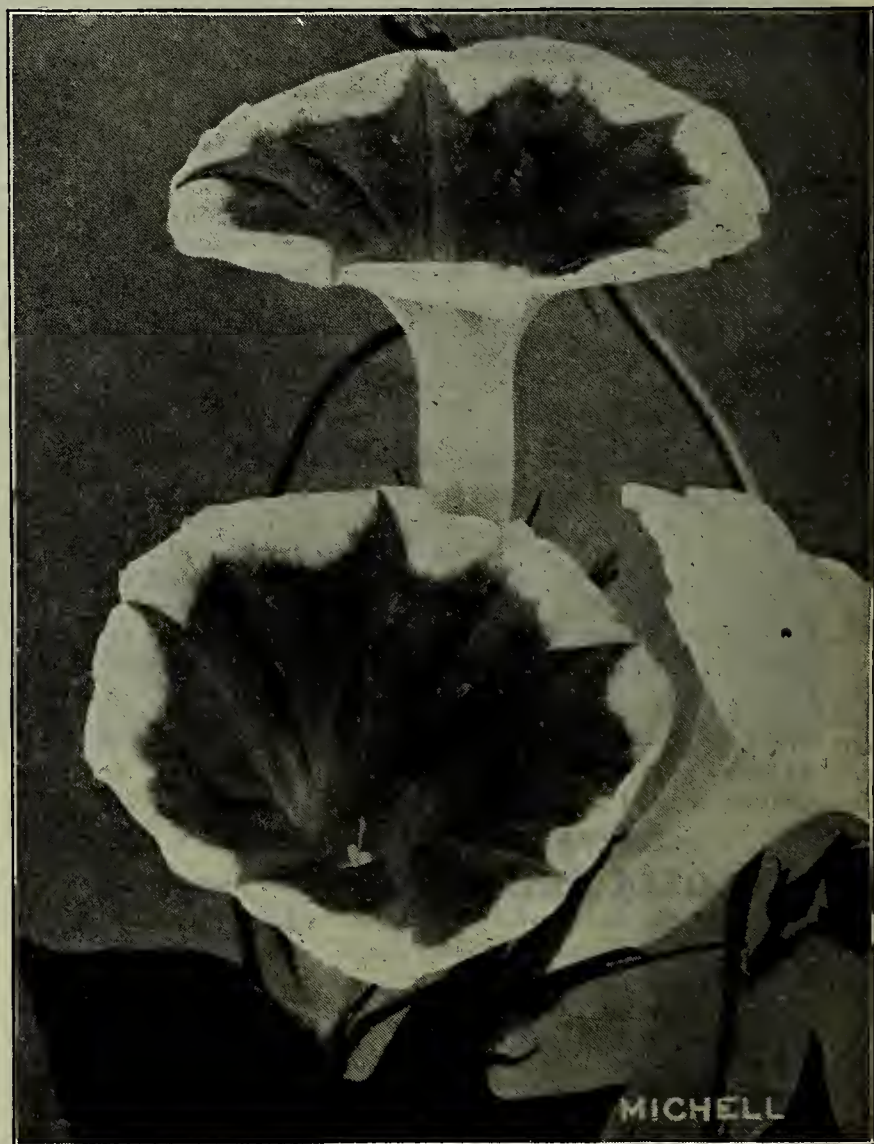
CLEMATIS

- Hardy perennial climbers; fine for arbors, verandas, etc.
710 **Flammula.** Feathery-white, fragrant flowers... 15 .05
712 **Jackman's Large Flowering.** Mixed; saved from the finest, large flowering sorts 40 .15
714 **Paniculata (Japanese Virgin's Bower).** The beautiful autumn flowering variety so much admired for its fragrant, white star-shaped flowers 20 .10

CLEOME (Spider Plant)

Tall bushy annual plant, branching freely and continuously in bloom. If protected during first winter it will live another season; 4 feet.

- 720 **Pungens.** Pink flowers Large pkt. Pkt.
.....\$0.20 \$0.05

COCKSCOMB See Celosia**COIX LACHRYMAE See Grasses (Ornamental)***Japanese Imperial Morning Glory (Convolvulus)***CONVOLVULUS (Morning Glory)**
MAJUS, OR TALL VARIETIES

- One of the most popular annual climbers; a rapid grower.
740 **Japanese Imperial.** Flowers of immense size, Oz. Pkt.
and of a great variety of colors\$0.25 \$0.05
741 **Japanese Imperial Fringed.** Large fringed flowers of many beautiful colors and shades... 40 .10
742 **Mixed.** All colors 15 .05
744 **Double Flowering.** Mixed colors 40 .10
750 **Imported Collection.** 10 varieties 40

MINOR, OR DWARF VARIETIES

- A charming garden plant, growing about a foot high.
748 **Mixed Colors** 15 .05
746 **Tricolor.** Blue and white 15 .05



Michell's Giant Fancy Cosmos

COSMOS

MICHELL'S LARGE EARLY FLOWERING

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Large pkt.	Pkt.
751 Crimson	\$0.75	\$0.20	\$0.10
752 Pink .....	.75	.20	.10
753 White .....	.75	.20	.10
754 Mixed .....	.60	.20	.10
755 Dawn. White flushed with pink .....	.75	.20	.10

MICHELL'S GIANT OR LATE COSMOS

These produce giant blooms on plants often 7 feet tall.

	Oz.	Large pkt.	Pkt.
759 Pink	\$0.60	\$0.15	\$0.10
761 Crimson .....	.60	.15	.10
763 White .....	.60	.15	.10
765 Mixed .....	.50	.15	.05
767 Giant Fancy Varieties. Mixed colors...	1.00	.30	.10
768 New Giant Rainbow. Delicate colorings.	1.00	.25	.10
769 Klondyke. Large golden yellow flowers..	1.00	.30	.10
771 Giant "Lady Lenox." Colossal flowers; a beautiful shell pink .....	.75	.20	.10

COBAEA SCANDENS (Cups and Saucers Vine)

Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

	Oz.	Large pkt.	Pkt.
725 Purple	\$0.60	\$0.15	\$0.10
726 White .....	.30	.10	

COLEUS

- 735 **Large Leaved Hybrids.** Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature.....\$0.65 \$0.25

COLUMBINE See *Aquilegia*

CORNFLOWER See *Centaurea*

COWSLIP See *Primula Veris*

CUPHEA (Cigar Plant)

- 775 **Platycentra.** Interesting bedding plant; the flower is shaped like a hollow cigar; color, scarlet with a black and white tip; 1 foot..... .30 .10



Cyclamen, Michell's Distinctive Giant

CYCLAMEN

Beautiful plants for the window or greenhouse, with mottled leaves and rich colored flowers. Both the strains offered below have gained a reputation for their large size, perfect form and brilliant colors.

MICHELL'S DISTINCTIVE GIANT

Grown for us in England by a Specialist who has received numerous First Prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.
790 Duke of Connaught. Crimson	\$1.50	\$0.50
792 Excelsior. White with red eye	1.50	.50
794 Grandiflora Alba. White	1.50	.50
796 Princess of Wales. Pink	1.50	.50
798 Salmon Queen. Salmon pink	1.50	.50
799 Mixed. All colors	1.25	.40
806 Sutton's Giant. Choicest mixed. Original pkt.		.75

REGULAR GIGANTEUM STRAIN

Grown for us by a Specialist in Germany.

780 Giganteum Album. White	1.00	.35	
782 " Roseum. Pink	1.00	.35	
784 " Rubrum. Red	1.00	.35	
786 " White with carmine eye	1.00	.35	
788 " Mixed. All colors	1.00	.25	
802 Papilio (Butterfly). The edges of the flowers are beautifully fringed, or waved; mixed colors....	2.00	.40	
804 Persicum. Choice mixed	\$0.40	.10	

CYPERUS (Umbrella Plant)

- 810 **Alternifolius.** An elegant plant for growing in water or damp places; useful as a pot plant.... .50 .10

CYPRESS VINE (*Ipomoea Quamoclit*)

A very graceful annual climber, with feathery foliage; and beautiful, star-like flowers.

	Oz.	Pkt.
815 Scarlet	\$0.30	\$0.05
817 White .....	.30	.05
819 Mixed .....	.25	.05



DAHLIAS FROM SEED

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises; seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past.

DOUBLE FLOWERING VARIETIES

	Large Pkt.	Pkt.
827 Cactus, Choice Mixed	\$0.30	\$0.10
829 Large Flowering (Show Type), Mixed .....	.30	.10

SINGLE FLOWERING VARIETIES

832 Century. Immense flowers of splendid form and a great array of colors	3 pkts. 50c.	.20
835 Giant Perfection. Straight petals of gigantic length and perfect form; mixed colors .....	.30	.10
847 Twentieth Century. Flowers of immense size with distinct colorings	3 pkts. 40c.	.15
833 Collarette. Flowers of various colors, adorned with a collar of small petals around the centre; curious and pretty .....	.30	.15
851 Imported Collection, 6 Varieties .....		.50

DAISY, ENGLISH DOUBLE (Bellis Perennis)

These are strictly biennials and seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large Pkt.	Pkt.
856 Monstrosa, Pink. These surpass all strains of this popular plant in growth and in the abundance of extra large, perfectly double flowers	\$0.65	\$0.25
858 Monstrosa, White .....	.65	.25
857 " Mixed .....	.65	.25
859 Longfellow. Large double pink flowers .....	.40	.10
860 Snowball. Purest white; large and double .....	.40	.10
855 Giant Red. Various shades .....	.40	.10
861 Double Mixed. Finest quality .....	.40	.10

DATURA (Trumpet Flower)

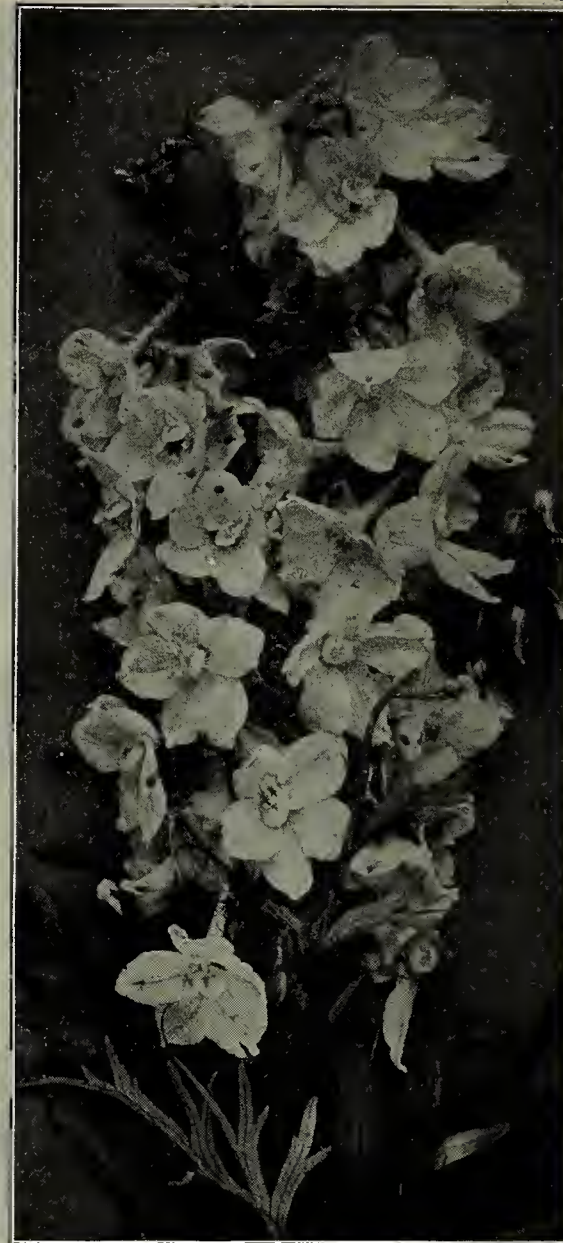
A most ornamental plant growing quite bushy with extra large trumpet-shaped flowers; height, 3 feet.

864 Cornucopia. White marbled with purple	\$0.15	\$0.10
866 Double Golden. Golden yellow flowers .....	.15	.05
868 Double Mixed. All colors .....	.15	.05
862 Brugmansia. Tree form, flowers in clusters from two to three hanging downward; color, purest white; height, 5 feet .....	.40	.15



English Daisy-Monstrosa

Don't Fail
to read pages 12 to 18 for
Valuable Novelties



Delphinium-Belladonna

DELPHINIUM (Hardy Perennial Larkspur)

Highly prepossessing plants of stately appearance; of easiest culture they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall.

	Large pkt.	Pkt.
878 Kelway's Giant. A strain recognized the world over as a prize-winner; plants are of strong, vigorous growth, with immense spikes of large flowers; many shades of blue; 5 to 7 feet	\$0.50	\$0.15
871 Belladonna. One of the most continuous blooming varieties; immense spikes of clear turquoise blue; 5 feet .....	.65	.25
884 Amos Perry. Semi-double; rich rosy mauve flushed with sky blue; dark eye .....	.50	.15
885 Duke of Connaught. Rich Oxford blue with a distinct white eye ..	.50	.15
877 Formosum. Deep blue; 5 feet	oz. 75c.	.20
880 " Coelestinum. Sky blue .....	.30	.15
875 Chinense Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet	oz. 50c.	.15
874 Chinense Grandiflorum Album. Pure white flowers	oz. 50c.	.15
873 Cashmerianum. Dark blue; 18 inches .....	.50	.10
876 Elatum (Bee Larkspur). Rich blue; 4 feet	oz. 75c.	.25
886 Mme. Violet Geslin. Semi-double; clear blue, lavender centre, with white eye .....	.50	.15
879 Nudicaule. Bright scarlet; 18 inches .....	.50	.10
887 Portia. Lovely cornflower blue, with dark centre .....	.50	.15
888 Queen Wilhelmina. Large flowers of a soft lavender blue, flushed with rose, white eye .....	.50	.15
889 Rembrandt. Bright sky-blue, inner petals rosy lavender .....	.50	.15
881 Zalil. Sulphur yellow; 4 feet .....	.50	.10
883 Hybridum Mixed. Choicest; 4 feet	oz. 40c.	.15

For Annual Larkspurs, see page 96

*Dianthus—Double Annual Pinks***DIANTHUS (Pinks)**

A most satisfactory class of flowers, easily raised from seed and which are in constant bloom the entire season; fragrant.

DOUBLE ANNUAL SORTS Large pkt. Pkt.

- 890 **China or Indian Pink.** All colors mixed; oz. 50c. \$0.15 \$0.05
 892 **Fireball.** Fiery red20 .10
 894 **Double Fringed.** Large flowers; mixed..... .20 .10
 896 **Japan Pink.** Most fantastic colors and forms.. .20 .10
 898 **White.** Fringed flowers..... .20 .05

SINGLE ANNUAL SORTS

- 909 **Single Japan Pink.** All colors.....oz., 60c. .20 .05
 911 **Nobilis.** The large open single flowers measure three to four inches in diameter and are remarkable for the varied range of extremely bright colorings..... .25 .10
 915 **Salmon Queen.** Fringed; salmon pink20 .10
 916 **Imported Collection.** All forms, 12 varieties... .40

HARDY GARDEN PINKS

- 917 **Erfurt.** Of dwarf, compact growth; blooms early; very fragrant; mixed colors65 .15
 919 **Clove Scented.** Double and semi-double varieties, in beautiful colors; fragrant40 .10
 920 **Latifolius Atrococcineus (Everblooming Hybrid Sweet William).** Double, brilliant red..... .25 .10
 921 **Pheasant's Eye.** Single white fringed flowers with dark centreoz. \$0.60 .15 .05
 923 **Double Scotch.** Choice colors40 .15

DICTAMNUS (Gas Plant)

- 925 **Fraxinella.** Showy bushy plants 2½ feet high, rosy pink flowers, June and July15 .05

*Digitalis (Foxglove) Gloxiniaeflora***DIGITALIS (Foxglove)**

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

- | | | Oz. | Large pkt. | Pkt. |
|-----|--|--------|------------|--------|
| 924 | Gloxiniaeflora, Lilac | \$0.75 | \$0.15 | \$0.10 |
| 927 | " Pink | .75 | .15 | .10 |
| 928 | " Purple | .75 | .15 | .10 |
| 929 | " White | .75 | .15 | .10 |
| 930 | " Mixed | .60 | .15 | .05 |
| 932 | Monstrosa (Mammoth Foxglove). The tall spikes are surmounted by one monstrous flower all colors mixed .....¼ oz. 40c. | | .30 | .10 |

DIMORPHOTHECA

- 926 **Aurantiaca (African Orange Daisy).** One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold daisy-like blooms on fairly long stems during the entire season; excellent for cutting40 .15
 931 **Aurantiaca Hybrids (New).** A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc.50 .20

DOLICHOS (Hyacinth Bean)

Rapid growing climber, bearing a profusion of bean-like flowers.

- | | | Oz. | Pkt. |
|-----|--|--------|--------|
| 934 | Darkness. A variety from Japan; rapid grower; flowers reddish violet | \$0.25 | \$0.10 |
| 935 | Daylight. Identical to the above except in color, which is pure white | .25 | .10 |
| 937 | Choice Mixed | .15 | .05 |

DRACENA

Large pkt. Pkt.

Ornamental plants for vases or conservatory decoration.

- | | | | |
|-----|--|--------|---------|
| 940 | Australis. Green and red colored leaves | \$0.20 | \$0.10 |
| 942 | Indivisa. Narrow green leaves .....oz. | \$0.50 | .15 .10 |

ECHINOCYSTIS (Wild Cucumber Vine)

- | | | | |
|-----|---|------------|-------------|
| 945 | Lobata. One of the quickest growing vines; excellent for covering trellises, fences, etc. | Oz. \$0.30 | Pkt. \$0.05 |
|-----|---|------------|-------------|

*Eschscholtzia (California Poppy)***ESCHSCHOLTZIA (California Poppy)**

An elegant hardy annual with fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot.

	Large pkt.	Pkt.
951 Californica. Pure yellow	oz. 30c.	\$0.15 \$0.05
955 Golden West. Magnificent large deep golden yellow flowers	oz. 40c.	.15 .10
954 Carmin King. Beautiful carmine rose on both sides of the petals.....	oz. 60c.	.20 .10
959 Orange. Rich orange yellow	oz. 30c.	.15 .05
963 White	oz. 30c.	.15 .05
957 Mandarin. Inner side of petals orange, outer petals scarlet	oz. 35c.	.15 .05
961 Rose Cardinal. Carmine rose	oz. 40c.	.15 .05
965 Choice Mixed	oz. 25c.	.15 .05

EDELWEISS (Gnaphallum)

950 **Leontopodium.** The famous Alpine flower, suitable for rock work, etc.; 6 inches

EULALIA (Ornamental Grass) See page 93**EUPATORIUM**

A fine hardy perennial, which will grow and thrive in almost any position; blooms the first season from seed if sown early; excellent for cutting; 2 feet.

975 **Fraseri.** Feathery white flowers

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet.

	Large pkt.	Pkt.
980 Heterophylla (Mexican Fire Plant). Large glossy green leaves, turning to orange scarlet in midseason	\$0.20	\$0.10
982 Variegata (Snow on the Mountain)	oz. 30c.	.15 .05

FERNS

	Large pkt.	Pkt.
985 Adiantum (Maiden Hair). Mixed	\$0.40	\$0.15
989 Pteris Varieties. Mixed .....	.40	.15
991 Choice Mixed. Choice collection .....	.40	.15

We can also furnish all other varieties of fern spores.

FEVERFEW (Matricaria)

995 Double White. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inches	oz. 40c.	.15 .10
--	----------	---------

FORGET-ME-NOT See *Myosotis*

FOUR O'CLOCK See *Marvel of Peru*

FOXGLOVE See *Digitalis*

FUCHSIA (Lady's Ear Drop) 100 Seeds

1015 Double and Single Mixed. Of easy culture...	\$0.50	.15
---	--------	-----

FREESIA

1005 New Hybrids Mixed. A valuable novelty, flowering within 8 months from time of sowing...	\$0.15	
---	--------	--

*Gaillardia, Grandiflora***GAILLARDIA (Blanket Flower)**
ANNUAL VARIETIES

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

1028 Picta Mixed. Single flowers in all colors;	Lge. pkt.	Pkt.
	oz. 30c.	\$0.15 \$0.05

1026 Picta Lorenziana. Double mixed.....	oz. 40c.	.15 .05
---	----------	---------

PERENNIAL VARIETIES

1020 Grandiflora Compacta. A compact variety; choice mixed colors; 12 to 15 inches	\$0.20	\$0.10
1022 Grandiflora Superba. Splendid mixed, 2 feet;	oz. 50c.	.15 .10

1021 Grandiflora Sanguinea. Blood red flowers....	.25	.15
--	-----	-----

1030 Sulphurea Oculata. Sulphur, maroon eye....	.30	.10
--	-----	-----

1029 Semi-Double. Mixed.....	.30	.10
-------------------------------------	-----	-----

GENTIANA (Blue Gentian)

1035 Acaulis. A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations.....	.20	.10
---	-----	-----

GERANIUM

These are general favorites, easily grown from seed.

	100 Seeds	Pkt.
1040 Apple Scented. Highly esteemed on account of its fern-like, fragrant foliage; 1 foot	\$0.40	\$0.10
1042 Pelargonium (Lady Washington). Seed saved from the largest flowered show varieties	1.25	.25
1044 Zonale Mixed. A superb strain of the largest and finest varieties; 1 to 2 feet	\$0.20	.10

GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting. 100 Seeds Pkt.

1049 **Jamesoni Gigantea**. Extra large flowers of brightest scarlet \$1.50 \$0.25

1047 **Jamesoni Hybrida** (New). All colors in great variation 1.50 .40

GEUM

Large pkt. Pkt.

1051 **Atrosanguineum Fl. Pl.** A beautiful hardy perennial, bearing large, showy flowers all through the summer; fine for bouquets; double, dark crimson flowers; 1½ feet25 .10

GLOXINIA

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot.

1055 **Hybrida Grandiflora**. The best strain in existence, embracing all the choicest self-colored and tigered and spotted flowers..... \$0.75 \$0.25

GODETIA (Satin Flower)

A most attractive bushy little annual plant with bright flowers opening in the morning and closing at evening; very effective in gardens; not serviceable as a cut flower; height, 15 inches.

1060 **Gloriosa**. Blood red flower Large pkt. Pkt. \$0.15 \$0.10

1062 **Choice Mixed**15 .05

GOLDEN ROD (Solidago Canadensis)

1065 A well-known hardy perennial; deep golden yellow flowers; 2 feet15 .05

GOMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons"; a showy annual everlasting, with button-like flowers, fine for cutting; height, 12 inches.

1070 **Nana Compacta**. Dwarf red Oz. Large pkt. Pkt. \$0.30 \$0.15 \$0.05

1072 **Mixed**. All colors25 .15 .05



Ornamental Mixed Gourds

GOURD (Ornamental)

Rapid growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

1075 **Calabash, or Dipper**. Very useful Oz. Pkt. \$0.25 \$0.05

1077 **Egg-Shaped**. White like an egg25 .05

1079 **Hercules Club**. Club shaped; 4 feet long..... .25 .05

1081 **Luffa** (Dish Rag or Bonnet Gourd)25 .05

1083 **Orange-Shaped** (Mock Orange)25 .05

1085 **Pear-Shaped**. Striped; very showy25 .05

1087 **Serpent**. Striped like a serpent; 5 feet long... .25 .05

1089 **Sugar Trough**. Used as water holders25 .05

1091 **Mixed**. In a great variety20 .05

GREVILLEA (Silk Oak)

1095 **Robusta**. A fine decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed Lge. pkt. Pkt. oz. 75c. \$0.20 \$0.10

GRASSES, ORNAMENTAL

Few plants are more decorative. The ideal spot for the taller varieties is on the outskirts of a pond. Those with plummy tops are very effective when used as centrepieces for beds of cannas, etc.

**ARUNDO** (Great Reed)

Large pkt. Pkt.

155 **Donax**. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 ft. \$0.20 \$0.10

AVENA (Animated Oats)

415 **Sterilis**. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches15 .05

BRIZA (Quaking Grass)

490 **Maxima**. Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot15 .05

BROMUS

495 **Brizaeformis**. Large drooping panicles, useful for bouquets; 2 feet; annual15 .05

COIX LACHRYMAE (Job's Tears)

730 A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet; oz. 10c. .05

EULALIA

970 **Japonica**. A hardy perennial variety, with long, graceful leaves; green and white striped; 4 to 5 feet15 .05

GYNERIUM (Pampas Grass)

1100 **Argenteum**. White silvery plumes; perennial; blooms the second season; 8 to 10 feet15 .10

HORDEUM JUBATUM (Squirrel Tail Grass)

1166 Bushy panicles; excellent for bouquets; annual; 3 feet15 .05

PENNISETUM

1640 **Longistylum**. Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual15 .05

1642 **Ruppelianum** (Purple Fountain Grass). Excellent for beds or for dried bouquets; purple plumes; 3 feet; perennial15 .10

STIPA PENNATA (Feather Grass)

2005 Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet.... .15 .05

One packet each of the above 11 varieties of Ornamental Grasses for 60 Cents

GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with Sweet Peas; 2 feet.

		Large pkt.	Pkt.
1103	Elegans Alba Grandiflora. A hardy annual variety; delicate sprays of pure white flowers.	\$0.15	\$0.05
1105	Paniculata. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early	oz. 40c.	.15 .05
1106	Paniculata fl. pl. (New). Perennial, with double white flowers .....		.20

HELENIUM (Sneeze-Wort)

1108	Autumnale Superbum. A hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; 5 to 6 ft.; September	.30	.10
------	--	-----	-----

HELIANTHUS See Sunflower*Helichrysum—Straw Flower***HELICHRYSUM** (Straw Flower) Large pkt. Pkt.

1110	Monstrosum. One of the best everlasting flowers; useful as dried flowers for winter bouquets; double, mixed colors; 2 feet; oz. 50c.	\$0.15	\$0.05
1111	Imported Collection, 10 varieties .....		.50

HELIOPSIS (Orange Sunflower)

1112	Pitcheriana. A handsome hardy perennial; producing an abundance of deep orange yellow flowers, the entire summer; excellent for cutting; 3 to 4 feet	oz. 50c.	.15 .10
------	---	----------	---------

HELIOTROPE

A well known and highly prized plant on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 inches.

		Large pkt.	Pkt.
1115	Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors	\$0.50	\$0.15
1117	Regal. Of dwarf compact growth; immense flowers; all shades .....	.50	.15
1119	Choice Mixed. Of many varieties .....	.25	.10
1121	Imported Collection. 6 sorts .....		.40

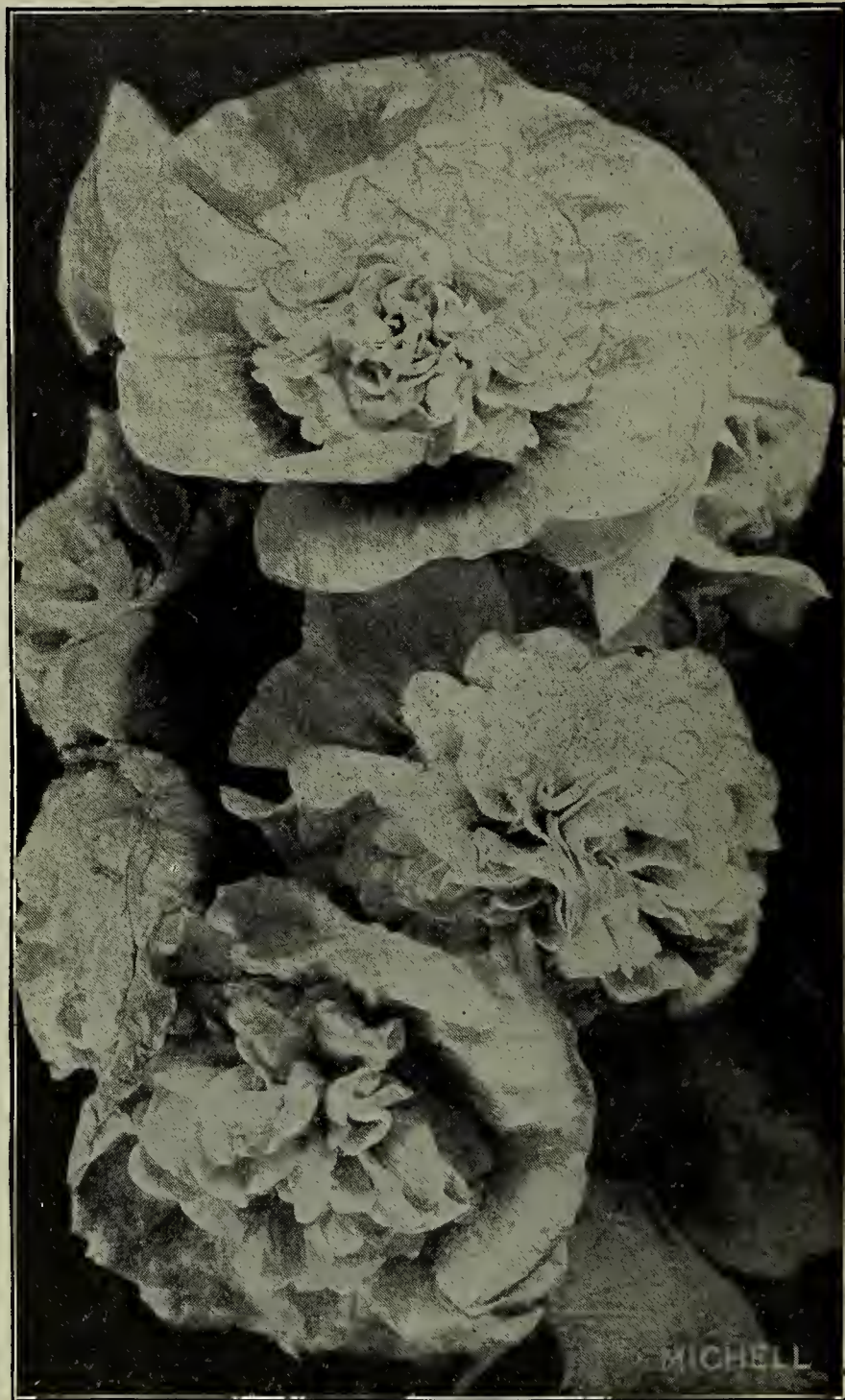
HEUCHERA (Alum Root)

1125	Sanguinea. Hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 foot..	.40	.10
------	---	-----	-----

HIBISCUS (Marshmallow)

Showy, ornamental perennial plants, having large sized, beautiful bell-shaped flowers.

		Large pkt.	Pkt.
1133	New Giant (Mallow Marvel) Large flower in red, pink, purple and white, mixed.....	.40	.15
1130	Crimson Eye. Large white flowers with crimson centre; 4 feet.....	oz. 60c.	.15 .10
1131	Moscheutos. Large, rosy red flowers with dark centre .....	.15	.05
1132	Golden Bowl. Giant yellow, maroon centre....	.20	.10
1134	Palustris. Large pink flowers; 3 feet.....	.20	.05

*Chater's Double Hollyhock***HOLLYHOCK**

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

CHATER'S IMPROVED DOUBLE HOLLYHOCK

		Oz.	Large pkt.	Pkt.
1149	Pink	\$1.25	\$0.30	\$0.10
1150	Maroon	1.25	.30	.10
1151	Red	1.25	.30	.10
1153	Salmon	1.25	.30	.10
1155	White	1.25	.30	.10
1157	Yellow	1.25	.30	.10
1159	Choice Mixed	1.00	.25	.10
1160	Single Mixed	1.00	.20	.10
1161	Imported Collection. 6 colors .....		.40	
1163	Imported Collection. 12 colors .....		.75	
1146	Allegheny. Semi-double; mammoth flowers, edges fringed and lacinated; mixed; oz. \$1.00	.25	.10	

ANNUAL EVERBLOOMING HOLLYHOCK

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

1147	Double Ever-blooming. Immensely tall plants with big leaves; colors range from white to deep black, yellow, pink, red, purple; oz. \$1.25	.30	.15
1148	Single Ever-blooming. Differ from above only in the flowers being single.....	oz. \$1.00	.25 .10

HONESTY (Moonwort, Satin Flower)

Large pkt. Pkt.

1165 Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; 2 ft..\$0.15 \$0.05

HORDEUM (ORNAMENTAL GRASS) (See page 93)

HUMULUS (Japanese Hop)

A rapid growing annual climber with luxuriant foliage.

Oz. Pkt.

1170 Japonicus. Dense green foliage\$0.40 \$0.05
1172 Variegatus. Leaves mottled with white50 .10

HUNNEMANNIA (Giant Yellow Tulip Poppy)

Large pkt. Pkt.

1175 Fumariaefolia. Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles Eschscholtzia; height, 2 feet ..oz. 50c. .15 .10

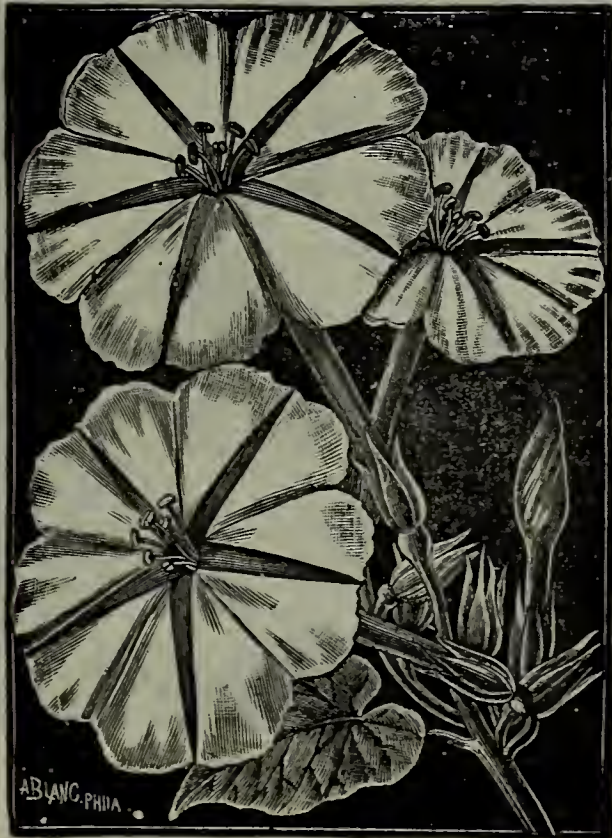
HYACINTH BEAN See Dolichos

IMPATIENS (Sultan's Balsam)

A charming plant for house and conservatory decoration.

Large pkt. Pkt.

1177 Holstii. A new variety from Africa, resembling Impatiens Sultani in leaf and shape of bloom, but surpassing it in quicker growth and its larger and brighter colored flowers\$0.65 \$0.20
1178 Holstii, "New Hybrids." The colors offered in these New Hybrids are beautiful and of many shades65 .15
1180 Sultani. Brilliant rosy-scarlet40 .15
1182 Sultani Hybrida. Colors ranging from pale pink to dark crimson40 .15



Moonflower (Ipomoea Noctiflora)

IPOMOEA

Oz. Pkt.

1185 Grandiflora Superba. Flowers sky-blue with a white margin\$0.25 \$0.05
1187 Heavenly Blue. Large, sky-blue flowers75 .10
1189 Noctiflora (Moon Flower). At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers .75 .10
1191 Setosa (Brazilian Morning Glory). Large leaves and bright rose-colored flowers40 .05
1193 Mixed. Various colors25 .05

See page 88 for Morning Glory (Convolvulus)



Humulus Variegatus (See Opposite)

INCARVILLEA (Hardy Gloxinia)

1184 Delavayi. Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; perennial; May; 15 inches\$0.50 \$0.25

IRIS (Flowering Flag)

1194 Kaempferi (Japanese Iris). Hardy perennial; very showy; blooms the second year from seed; mixed colors20 .10

KENILWORTH IVY (Linaria Cymbalaria)

1195 A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violet\$0.30 \$0.05



Kochia Trichophylla

KOCHIA (Summer Cypress or Mexican Fire Bush)

1198 Trichophylla. An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet..\$0.15 \$0.10

LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

1200 Dwarf Mixed. 10 inches high, all colors.....\$0.20 \$0.10
1201 Choice Tall Mixed. 2 to 3 feet high....oz. 30c. .15 .10

**LARKSPUR (Annual)**

Splendid flowers of easy culture; sown in May outdoors they will be in full bloom in July; graceful fern-like foliage and slender spikes 3 feet tall with double rosette flowers; fine for cutting or garden decoration.

GIANT HYACINTH FLOWERED

Tall spikes with double flowers resembling Hyacinths.

1226 Queen of Pinks. It is the color which gives this variety a foremost place in any garden; spikes fully 3 feet tall and well branched; color, delicate salmon pink	\$1.00	\$0.25	\$0.10
1222 Shell Pink .....	.50	.15	.05
1223 White .....	.50	.15	.05
1221 Dark Blue .....	.50	.15	.05
1224 Mixed Colors .....	.40	.15	.05

TALL DOUBLE STOCK FLOWERED

Plants branch freely and the flowers resemble double stock; height, 2½ feet.

1202 Dark Blue	\$0.50	\$0.15	\$0.10
1203 Sky Blue .....	.50	.15	.10
1206 Shell Pink .....	.50	.15	.10
1209 White .....	.50	.15	.10
1207 All Colors Mixed .....	.40	.15	.05

DWARF DOUBLE ROCKET

1205 Mixed. A compact bushy plant with several dwarf spikes of double flowers; height, 1 foot25	.15	.05
--	-----	-----	-----

For Perennial Larkspur, see Delphinium, page 90



Lathyrus (Everlasting Pea)

LATHYRUS LATIFOLIUS

(Everlasting or Perennial Pea)

Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting.

1210 Crimson. Brilliant	\$0.40	\$0.10
1212 Pink Beauty. Bright rosy-pink .....	.50	.10
1214 White .....	.50	.10
1216 Choice Mixed. All colors .....	.40	.05

LAVATERA

Large Pkt.

1218 Splendens Rosea. A compact shrubby-like annual plant with glossy foliage and bright pink mallow-like flowers; splendid for cutting and decorative work; easily raised from seed.	\$0.20	\$0.10
--	--------	--------

LAVENDER (Lavendula Vera)

1220 Well-known hardy perennial, bearing long spikes of fragrant blue flowers; 18 inches.....oz. 75c.15	.05
--	-----	-----



Double Stock Flowered Larkspur

LIATRIS (Blazing Star or Gay Feather) Lge. pkt. Pkt.

1227 Pycnostachia. Showy and attractive perennial plants, with long spikes of rosy purple flowers; July to September; 3 to 4 feet	\$0.50	\$0.10
--	--------	--------

LINARIA See Kenilworth Ivy**LILY OF THE VALLEY (Convallaria Majalis)**

1225 Lovely plants, bearing pure white, fragrant, bell-shaped flowers early in spring25	.10
---	-----	-----

LINUM (Scarlet Flax)

1230 Grandiflorum Rubrum. Ideal for bedding; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 foot;	oz. 25c. .15	.05
---	--------------	-----



Lobelia, Barnard's Perpetual

LOBELIA

No garden is complete without an edging of blue Lobelia, and for a long season of bloom and dwarfness there is nothing that can take its place; seeds are best started early in the house, but they may also be sown outdoors, when they will bloom later in the season.

	Large pkt.	Pkt.
1239 Crystal Palace Compacta. Very compact deep blue, the best for edging	\$0.40	\$0.10
1235 Barnard's Perpetual. Deep blue with white eye .....	.30	.10
1241 Crystal Palace Speciosa. Of trailing habit, deep blue, fine for vases .....	.20	.05
1243 Double Flowering. Small double deep blue flowers, resembling little violets .....	.65	.10
1245 Emperor William. Flowers sky blue, plants very compact .....	.30	.10
1249 Gracilis. Of trailing habit, deep blue .....	.20	.05
1255 White Gem. Very compact, snow-white flowers .....	.30	.10
1257 Mixed. All colors .....	.20	.05

PERENNIAL VARIETIES

1237 Cardinalis (<i>Cardinal Flower</i>). Tall spikes of bright scarlet flowers, very showy; thrives in moist situations50	.10
---	-----	-----

LOPHOSPERMUM

1260 Scandens. An ornamental annual climber, with showy rosy-purple flowers, resembling Fox-gloves in shape; 10 feet.....	.40	.10
--	-----	-----

LYCHNIS

Hardy perennial plants of easy culture; most effective in beds or borders.

	Large pkt.	Pkt.
1285 Chalcedonica (<i>Rose Campion</i>). Fine scarlet cross-like flowers; 2 feet; July.....	oz. 40c. \$0.15	\$0.05
1286 Flos Cuculi (<i>Cuckoo Flower</i>). Beautiful, bright red, fringed flowers; 2 feet.....	.30	.10
1287 Haageana. Brilliant, large, orange, scarlet, pink, or crimson flowers; mixed; 1 foot; July.....	.20	.10



Marvel of Peru (Four O'Clock)



Lupinus

LUPINS**ANNUAL VARIETIES**

It is surprising how few gardens possess this valuable showy flower, which blooms within six weeks after sowing; extremely decorative in the garden, and is equally valuable for cutting and will easily last four days; height, 2 feet.

	Oz.	Pkt.
1268 Pink Beauty. Tall spikes of an exquisite shell pink color	\$0.50	\$0.10
1265 Blue .....	.30	.05
1267 Pink .....	.30	.05
1269 Red .....	.30	.05
1271 Scarlet, White Tipped .....	.30	.05
1273 White .....	.30	.05
1275 Yellow .....	.40	.10
1277 Mixed, All Colors .....	.20	.05

PERENNIAL VARIETIES

Graceful spikes with pea-shaped flowers; thrives best in semi-shady situations; excellent for cutting; July-August; 3 feet.

	Large pkt.	Pkt.
1278 Polyphyllus Roseus. Pink	\$0.40	\$0.15
1280 " Blue .....	.15	.05
1281 " White .....	.15	.05
1279 Perennial Mixed	oz. 30c. .15	.05

LYTHRUM

1288 Roseum Superbum (<i>Rose Loose Strife</i>). A pretty hardy perennial; plants grow 3 feet high and produce spikes of rosy flowers from July to September15	.10
---	-----	-----

MARIGOLD See Next Page**MARVEL OF PERU** (Four O'Clocks)

1315 Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet	oz. \$0.15	Pkt. \$0.05
--	------------	-------------

MAURANDIA

A beautiful climber of rapid growth for baskets, vases and trellises; produces an abundance of tube-shaped flowers; 10 feet.

	Large pkt.	Pkt.
1320 Barclayana. Purple	\$0.25	\$0.10
1326 Choice Mixed .....	.25	.10



Marigold—El Dorado

MARIGOLD (Tagetes)

Popular free-blooming garden plants of easiest possible culture.

AFRICAN VARIETIES

These are mostly of tall growth, from 2½ to 3 feet high.

- | | | |
|---|------------|---------------|
| 1296 El Dorado. Imbricated flowers of immense size | Large pkt. | Pkt. |
| in all shades of yellow | oz. 40c. | \$0.15 \$0.05 |
| 1307 Orange Prince. Flowers very large, of a deep orange color | oz. 60c. | .20 .10 |
| 1303 Lemon Queen. Soft lemon yellow..... | oz. 60c. | .20 .10 |
| 1308 Pride of the Garden. Dwarf, 18 inches, golden yellow | oz. 60c. | .20 .10 |
| 1300 Large African. Tall double mixed..... | oz. 30c. | .15 .05 |
| 1311 Imported Collection, 6 Varieties | | .25 |

FRENCH VARIETIES

Of compact dwarf growth with velvety flowers.

- | | | |
|---|------------|---------|
| 1290 Double Pulchra. Rich golden yellow with deep velvety brown centre; 1 foot..... | Large pkt. | Pkt. |
|oz. 30c. | \$0.15 | \$0.05 |
| 1294 Dwarf Gold Striped. Double, brownish red striped golden yellow; 1 foot | oz. 40c. | .15 .10 |
| 1302 Legion of Honor (Little Brownie). Single flowers of golden yellow with a large spot of crimson velvet; 6 inches | oz. 35c. | .15 .05 |
| 1306 Liliput. Dwarf; excellent for pots; small double flowers; mixed colors; 4 inches | oz. 60c. | .20 .10 |
| 1292 Dwarf French Mixed. All colors..... | oz. 30c. | .15 .05 |
| 1310 Imported Collection, 6 Varieties | | .25 |

MARVEL OF PERU. (See page 97.)

MATTHIOLA

- | | | |
|---|-----|-----|
| 1318 Bicornis (Evening Scented Stock). A desirable annual, on account of its delightful fragrance during the evening; color, purplish lilac..... | .15 | .05 |
|---|-----|-----|

MAURANDIA. (See page 97.)

MESEMBRYANTHEUM

Dwarf trailing annuals for rockeries, edgings and vases.

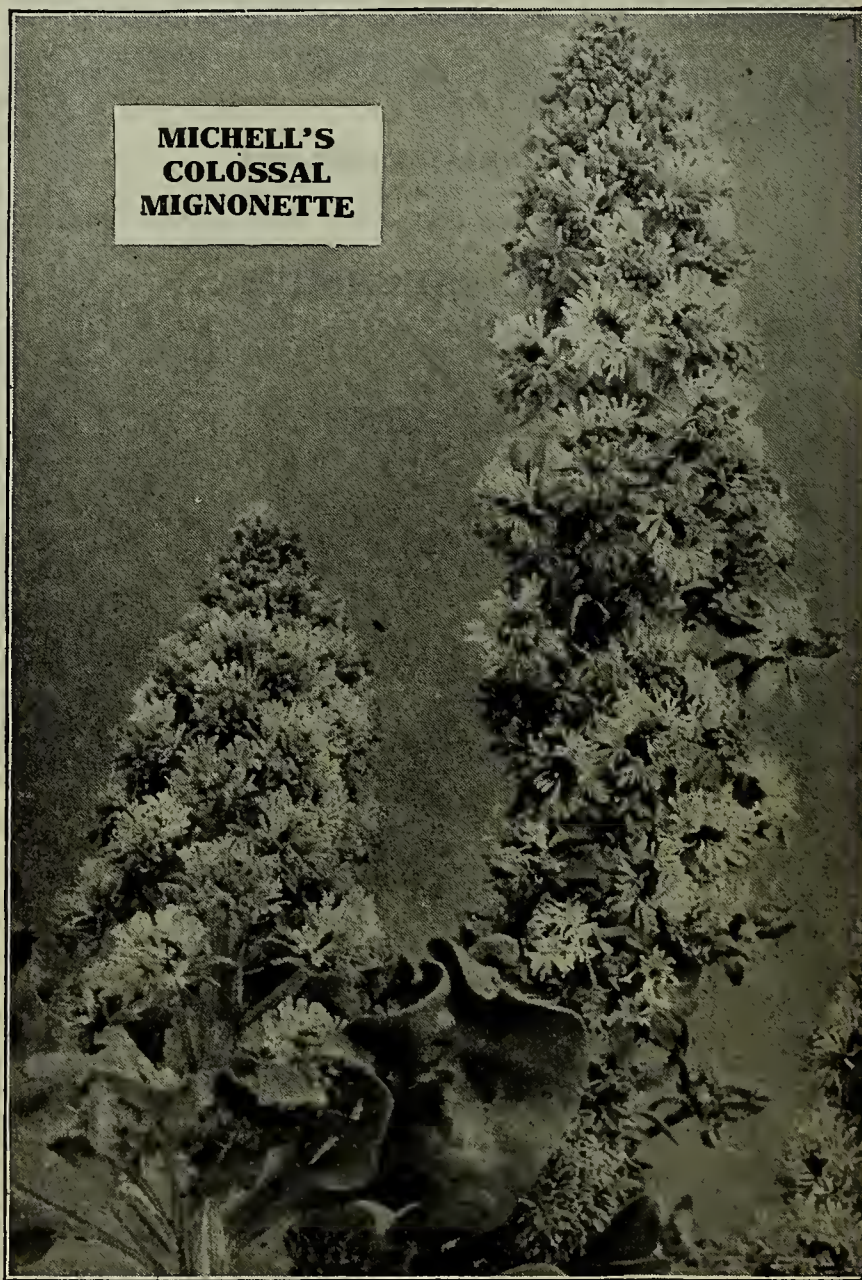
- | | | |
|--|------------|--------|
| | Large pkt. | Pkt. |
| 1330 Cordifolium Variegatum. Variegated foliage; rose-colored flowers | \$0.30 | \$0.10 |
| 1331 Crystallinum (Ice Plant). Singular icy foliage; flowers white | .15 | .05 |
| 1332 Tricolor (Wax Plant). Various colors..... | .15 | .05 |

MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in green-houses during winter.

Large Pkt. Pkt.

- | | | |
|---|----------|---------|
| 1356 Michell's Colossal. Foliage, stalks and flowers are very robust. The flower-spikes often average 18 inches; extremely fragrant..... | \$0.50 | \$0.15 |
| 1340 Allen's Defiance. Spikes invariably attain a height of 12 to 15 inches; fragrant; oz. 60c. | .20 | .10 |
| 1354 Hoehl's Giant Flowering. Very large..... | .65 | .15 |
| 1345 Bismarck. Compact plant of strong growth, stout spikes of large flowers | .30 | .10 |
| 1355 Machet. Large reddish tinted, sweet scented flowers | oz. 50c. | .15 .10 |
| 1349 Golden Machet. Large golden flowers; oz. 50c. | .15 | .10 |
| 1352 Goliath. Giant spikes of brilliant red flowers.. | .20 | .10 |
| 1363 Sutton's Giant. Reddish buff, original pkts. .. | | .30 |
| 1357 Miles' Spiral. Flowers whitish | oz. 25c. | .15 .05 |
| 1359 Parson's White. Large fragrant white flowers; oz. 35c. | .15 | .05 |
| 1365 Sweet Scented. The popular garden sort; oz. 15c.. | | .05 |
| 1367 Imported Collection, 10 Varieties | | .50 |



MIMULUS

Showy profuse flowering plants; fine for greenhouse or moist shady situations; half-hardy perennials, blooming the first year if sown early.

- | | Large pkt. | Pkt. |
|---|------------|--------|
| 1370 <i>Moschatus</i> (<i>Musk Plant</i>). Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches | \$0.30 | \$0.05 |
| 1372 <i>Moschatus Compacta</i> . Fine for pots and borders; 4 inches | .50 | .10 |
| 1374 <i>Tigrinus</i> (<i>Monkey Flower</i>). Fine mixed tigered and spotted varieties; 1 foot | .30 | .05 |

MINA

- 1380 *Lobata*. Half hardy annual climber, of rapid growth, bearing racemes of flowers the buds of which are orange red, but open orange yellow, and afterwards turn to creamy white....
- | | | |
|--|-----|-----|
| | .30 | .10 |
|--|-----|-----|

MONARDA (Bergamot)

- 1382 *Didyma*. Tall plants crowned with whorls of salvia-like, deep scarlet flowers; very showy and attractive; 4 feet; July-August
- | | | |
|--|-----|-----|
| | .65 | .15 |
|--|-----|-----|

MOON FLOWER See *Ipomoea*

MORNING GLORY See *Convolvulus*

MUSA ENSETE (Abyssinian Banana)

- 1385 A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive, and very effective; 10 to 15 feet. Seeds should be started in wet moss placed over heat. Per 10 seeds, 25c.

MYOSOTIS (Forget-Me-Not)

BIENNIAL VARIETIES

Although biennials these flower the first year from seed. Sown in spring they flower in the fall; if wanted for spring flowering sow in July and transplant in the fall; 1 foot.

- | | Large pkt. | Pkt. |
|---|------------|--------|
| 1391 <i>Alpestris Victoria</i> . Of bushy habit; bearing large bright blue flowers; very fine; 6 inches.. | \$0.30 | \$0.10 |
| 1395 <i>Eliza Fanrobert</i> . Large flowering, bright blue | .20 | .10 |
| 1399 <i>Grandiflora Alba</i> . Large white flowers; 6 in. | .25 | .10 |
| 1400 <i>Grandiflora Rosea</i> . Large pink flowers; 6 in. | .25 | .10 |
| 1401 <i>Palustris</i> . The true Forget-Me-Not; bright blue flowers; 6 in. | .40 | .10 |
| 1405 <i>Royal Blue</i> . This variety belongs to the upright pillar-shaped section; large; deep blue.. | .40 | .10 |
| 1406 <i>Ruth Fischer</i> . Plant of neat, compact habit with light blue flowers; splendid for pots..... | .65 | .25 |
| 1407 <i>Choice Mixed</i> .....oz. 75c. | .20 | .05 |

PERENNIAL VARIETIES

These differ from the biennial by reappearing each year in heavier plants and more numerous flowers; 8 inches; all summer.

- | | Large pkt. | Pkt. |
|--|------------|--------|
| 1393 <i>Dissitiflora</i> . Deep green foliage and attractive deep blue flowers | \$0.40 | \$0.10 |
| 1403 <i>Palustris Semperflorens</i> . Dwarf; blooms the entire season; deep blue | .30 | .10 |



Myosotis (Forget-Me-Not)

NIGELLA

(Love in a Mist)

- 1515 *Damascena*. Showy hardy annual with finely cut foliage and centaurea-like flowers, blue and white mixed; 1 foot. Large pkt. 15c., pkt. 5c.

- 1517 *Miss Jekyll*. A lovely variety, bearing on long stems a profusion of beautiful flowers of corn-flower blue, making a fine contrast with the fine fern-like foliage; excellent for cutting; 18 inches. Large pkt. 15c., pkt. 10c.



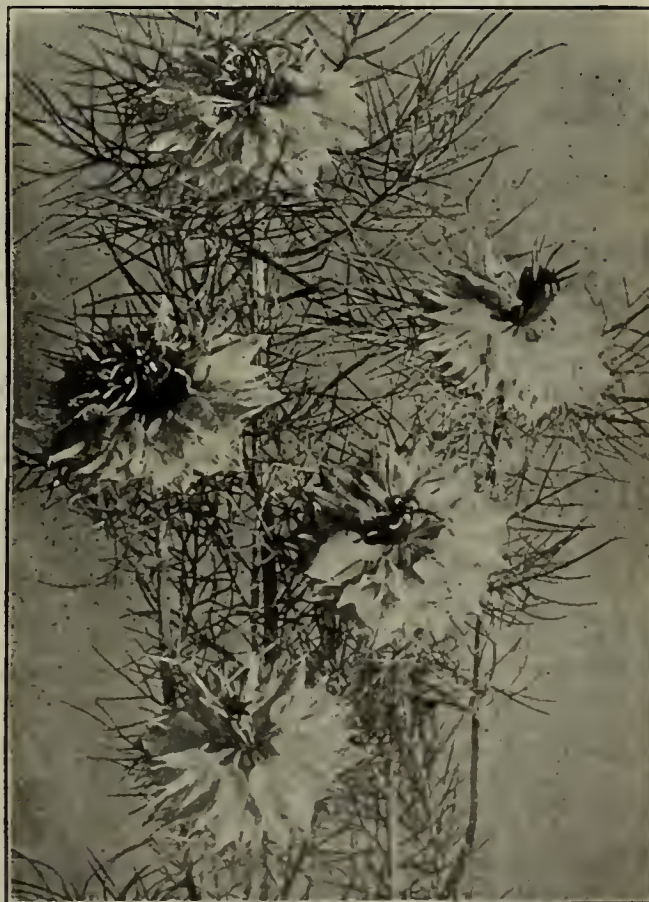
Nicotiana (Flowering Tobacco)

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants with graceful, slender, tall stems and fragrant flowers; height, 3 feet.

- | | Large pkt. | Pkt. |
|--|------------|--------|
| 1505 <i>Affinis</i> . Fragrant, tube-shaped, pure white flowers | \$0.15 | \$0.05 |
| 1506 <i>Affinis Hybrida</i> . Charming large flowered, sweet scented hybrids; colors range through creamy white and rose tints to bright red and crimson | .20 | .10 |
| 1508 <i>Sanderae</i> . A new variety of great merit, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant... | .20 | .10 |
| 1509 <i>Sylvestris</i> . A very ornamental variety with deep green leaves, and large, pure white fragrant, drooping flowers; 4 feet | .15 | .10 |

See
Page 77
for
Our
Special
Collections
of
Flower
Seeds



Nigella—Miss Jekyll



MICHELL'S FANCY NASTURTIUMS



Michell's Giant Dwarf Nasturtiums

A great advance has been made of late years in the range of new colors which has been developed in this popular flower, which is one of our most beautiful annuals; easily grown, and producing a great profusion of brilliant colored flowers from within a few weeks after they are sown until they are killed by frost; they will flower more profusely in thin soil. Our Nasturtiums are noted for their size, variety and brilliancy of their colors.

DWARF OR BEDDING

(Tom Thumb)

Of dwarf, compact growth; excellent for bedding purposes; 1 foot high.

	¼ lb.	Oz.	Pkt.
1442 Michell's Fancy Giant Mixed. This is one of the finest mixtures ever offered; composed of the largest and finest varieties. Per lb. \$1.35	\$0.45	\$0.20	\$0.10
1440 Choice Mixed. All colors. Per lb. \$1.00	.30	.15	.05
1445 Liliput Mixed. A new variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors and shades	.45	.15	.05
1443 Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed	.60	.20	.10
1446 Queen of Tom Thumbs Mixed. Silver variegated foliage; flowers in a great variety of colors	.60	.20	.10
1431 Queen of Tom Thumbs, Crimson. Silver variegated foliage and rich, bright crimson flowers	.75	.25	.10
1444 Golden Foliage Mixed	.50	.15	.10
1417 David Burpee Spencer. New compact plants with emerald green leaves which are wavy and ruffled; flowers deep scarlet on long stems	.40	.15	.05
1410 Aurora. Rich yellow, veined carmine	.40	.15	.05
1412 Beauty. Yellow, with scarlet veinings	.40	.15	.05
1413 Bronze. Burnished bronze color	.40	.15	.05
1414 Chameleon. Produces various colors and markings on the same plant	.40	.15	.05
1416 Cloth of Gold. Golden yellow leaves, scarlet flowers	.40	.15	.05
1415 Crystal Palace Gem. Sulphur yellow, spotted maroon	.40	.15	.05
1418 Empress of India. A splendid variety, with dark leaves and crimson flowers	.45	.15	.05

DWARF OR BEDDING—Continued

	¼ lb.	Oz.	Pkt.
1420 Golden King. Dark foliage; golden flowers	\$0.40	\$0.15	\$0.05
1422 Golden Queen. Foliage and flowers golden yellow	.40	.15	.05
1423 King of Tom Thumbs. Dark foliage; scarlet flowers	.40	.15	.05
1424 King Theodore. Dark foliage; flowers crimson maroon	.45	.15	.05
1426 Lady Bird. Rich orange yellow, with a red blotch at the base of the petals	.40	.15	.05
1428 Pearl. Creamy white	.40	.15	.05
1430 Pink. Soft rose color	.40	.15	.05
1429 Prince Henry. Cream, spotted and tipped red	.40	.15	.05
1432 Scarlet. Brilliant	.40	.15	.05
1434 Spotted. Rich orange, spotted crimson	.40	.15	.05
1436 Vesuvius. Bright salmon pink	.45	.15	.05
1438 Yellow. Bright, with glossy finish	.40	.15	.05
1447 Imported Collection. 12 dwarf varieties			.50

LOBB'S CLIMBING NASTURTIUMS

(*Tropaeolum Lobbianum*)

These are exceedingly free-flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets, and rockeries; also for greenhouse or conservatory during the winter; 8 to 10 feet.

	¼ lb.	Oz.	Pkt.
1492 Choice Mixed. Lobb's varieties, all colors; Per lb. \$1.25	\$0.40	\$0.15	\$0.05
1480 Asa Gray. Yellowish white	.50	.20	.05
1482 Brilliant. Glowing scarlet flowers	.50	.20	.05
1484 Giant of Battles. Yellow, blotched carmine	.50	.20	.05
1486 Golden Queen. Golden yellow	.50	.20	.05
1488 Roi des Noirs. Dark garnet red	.50	.20	.05
1489 Rudolph Virchow. Soft, rosy pink	.50	.20	.05
1490 Spitfire. Brilliant scarlet	.50	.20	.05
1493 Our Collection. One packet each of the above 7 Lobb's varieties for 30c.			



Lobb's Climbing Nasturtium

Tall or Climbing Nasturtiums are offered on next page



MICHELL'S FANCY NASTURTIUMS (CONTINUED)

TALL OR CLIMBING NASTURTIUMS

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet.

1474	Michell's Fancy Giant Mixed. This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb. \$1.35	1/4 lb. \$0.45	Oz. \$0.20	Pkt. \$0.10
1472	Choice Mixed. Lb. \$1.00	.30	.15	.05
1475	Queen of Talls, Mixed. Silver variegated foliage, flowers of all colors....	.50	.15	.10
1473	Ivy Leaved Mixed. Ivy-like, deep green foliage; flowers beautifully fringed....	.60	.20	.10
1471	Hybrids of Mad. Gunther. A special strain; all shades and colors. Per lb. \$1.00	.40	.15	.05
1450	Chameleon. Produces different colored flowers on the same plant	.40	.15	.05
1452	Crimson. Rich and velvety	.40	.15	.05
1453	Hemisphaericum. Different shades of orange-salmon and scarlet	.40	.15	.05
1456	Jupiter. Color, pure deep yellow, with crinkled petals; of immense size	.40	.15	.05
1458	King Theodore. Dark foliage and flowers	.40	.15	.05
1460	Orange. A deep shade	.40	.15	.05
1459	Prince Henry. Cream, spotted and tipped red	.40	.15	.05
1461	Pearl. Creamy white	.40	.15	.05
1463	Pink. Soft rose color	.40	.15	.05
1462	Scarlet. Very bright	.40	.15	.05
1466	Vesuvius. Salmon pink	.40	.15	.05
1470	Yellow Striped Scarlet	.40	.15	.05
1476	Imported Collection. 12 tall varieties		.50	



Michell's Giant Tall Nasturtium

MICHELL'S COLLECTIONS OF NASTURTIUMS

One packet each	12 Dwarf Sorts	\$0.50	One packet each	12 Tall Sorts	\$0.50
" " " 6 " "		.25	" " " 6 " "		.25
" ounce " 12 " "		1.25	" ounce " 12 " "		1.25
" " " 6 " "		.75	" " " 6 " "		.75



Passiflora (Passion Flower)

NEMOPHILA (Love Grove)

1500	Mixed. Free-flowering annual, of dwarf, compact habit, and bearing a profusion of cup-shaped flowers; thrives best in a cool, shady situation; 1 foot	Large Pkt. \$0.15	Pkt. \$0.05
------	--	-------------------	-------------

NIEREMBERGIA

1513	Frutescens. Half hardy perennial; excellent for greenhouse, baskets, vases, or bedding out; flowers white tinted with lilac; 1 foot	.20	.10
------	--	-----	-----

OENOTHERA (Evening Primrose)

Beautiful, low-growing annual plants of easy culture with large, showy flowers.			
1523	America (New). Large flowers, which do not open until dusk, after which the plants are covered with pure white flowers; during the night they change their color to a delicate pink; as the sun rises they gradually close up	.50	.20
1525	Mixed. Annual varieties	.15	.05

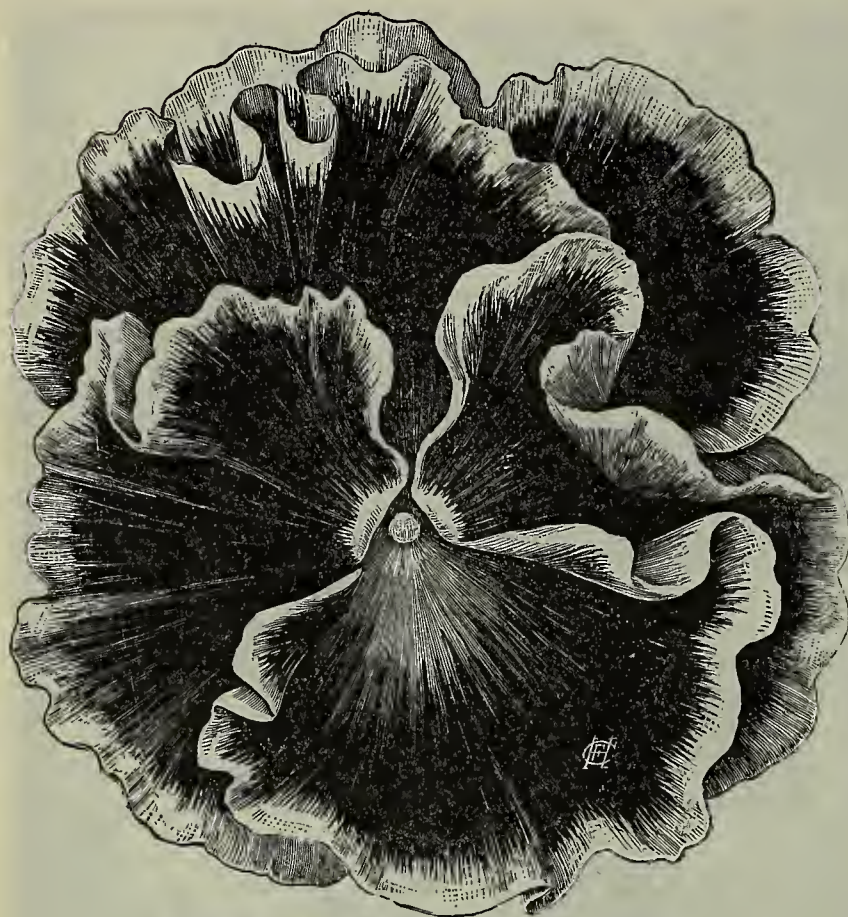
PAEONY

1534	Mixed. Hardy herbaceous plants with flowers of various colors; will bloom the third year from seed; double and semi-double	.30	.10
------	---	-----	-----

PASSIFLORA (Passion Flower)

1630	Mixed. Ornamental climbing plants for the greenhouse or the garden, producing showy flowers in profusion	.25	.10
------	---	-----	-----

MICHELL'S GIANT PANSIES



Pansy—Michell's Giant Exhibition

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring. Pansies thrive best in moist semi-shady situations.

PANSIES IN MIXTURES

	Large pkt.	Pkt.
1595 Michell's Giant Exhibition. A blending of our own containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz. \$6.00, \$1.00 per 1/8 oz.	\$0.65	\$0.25
1608 Triumph of the Giant. Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Per oz. \$8.00, \$2.25 per 1/4 oz. ....	.75	.50
1597 Bugnot, Odier and Cassier. A superb mixture of giant blotched varieties. 1/8 oz. \$1.00	.65	.25
1599 Giant Trimardeau. Very large flowering; all colors mixed 1/4 oz. \$0.50	.40	.10
1600 Mad. Perret. Early flowering, fragrant, especially rich in red shades; large flowering. 1/4 oz. \$1.25	.65	.25
1601 Masterpiece. (Frisled Pansy). Flowering beautifully curled or waved. 1/4 oz. \$1.50	.65	.25
1605 Odier or Blotched. A beautiful strain. 1/4 oz. \$1.00	.65	.15
1607 Parisian Large Stained. Choicest colors. 1/4 oz. \$1.25	.50	.15
1609 Finest English Mixed. oz. \$1.50	.30	.10
1611 Very Fine Mixed oz. .75	.20	.05
1613 Imported Collection. 6 colors	.40	
1614 Imported Collection. 12 colors	.75	

MICHELL'S GIANT PANSIES

SEPARATE COLORS

A strain secured from the leading Pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

	1/4 Oz.	Large pkt.	Pkt.
1535 Giant Prize Azure Blue. Violet blue... \$1.00	\$0.50	\$0.15	
1537 " " Black Blue. Dark velvety. 1.00	.50	.15	
1539 " " Emperor William. Ultra-marine blue	1.00	.50	.15
1541 " " Hortensia Red. Scarlet... 1.25	.50	.15	
1543 " " King of the Blacks. Black 1.00	.50	.15	
1545 " " Lord Beaconsfield. Violet 1.00	.50	.15	
1549 " " Peacock. Upper petals blue, lower petals deep claret with white margin	2.00	.50	.15
1551 " " Snow Queen. Pure white. 1.00	.50	.15	
1553 " " Striped and Mottled 1.00	.50	.15	
1557 " " White with dark eye 1.00	.50	.15	
1559 " " Pure Yellow 1.00	.50	.15	
1561 " " Yellow with dark eye 1.00	.50	.15	

SPECIAL OFFER. We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

PANSIES (Regular Sorts in Separate Colors)

	Oz.	Large Pkt.	Pkt.
1565 Belgian Striped. Showy	\$1.50	\$0.30	\$0.10
1567 Emperor William. Ultramarine blue...	1.50	.30	.10
1569 Faust (King of the Blacks). Almost black	1.50	.30	.10
1571 Gold Margined. Purple, golden edge ..	1.50	.30	.10
1573 Havana Brown	1.50	.30	.10
1575 Lord Beaconsfield. Violet	1.50	.30	.10
1577 Mahogany Colored	1.50	.30	.10
1579 Silver Edged. Purple, silver edge	1.50	.30	.10
1581 Snow Queen. Pure white	1.50	.30	.10
1583 White with dark eye	1.50	.30	.10
1585 Yellow Gem. Pure yellow	1.50	.30	.10
1587 Yellow with dark eye	1.50	.30	.10

SPECIAL OFFER. We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

PARIS DAISY. See Chrysanthemum.

PENNISETUM, ORNAMENTAL GRASS. (See page 93.)

PAPAVER. See Poppy.



Michell's Giant Prize Pansy

PETUNIA

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage; seeds must be carefully handled as they are extremely fine but the plants are of easiest culture.

SINGLE FLOWERED PETUNIAS

	Large pkt.	Pkt.
1657 California Giants. One of the largest varieties; bright and desirable colors; strong robust plants.....	\$0.65	\$0.25
1665 Grandiflora Fringed. Each petal of these giant flowers is delicately fringed and thus gives the flower a distinct appearance; all colors.....	.65	.20
1669 Ruffled Giants. Immense large flowers, exquisitely ruffled and frilled..	.65	.25
1666 Monstrosus (Michell). Extra large flowers, many of which are elegantly fringed; superb colors.....	.75	.25
1664 Dwarf Large Flowering Fringed (New). Compact plants with large fringed flowers of many colors and shades. Orig. pkt.....		.30
1674 Undine (New) Color, azure blue with lilac margin. Orig. pkt.....		.25
1655 Adonis. Rosy carmine with white throat .....	.40	.10
1663 Dwarf Inimitable. Of dwarf, compact habit; profuse bloomer; flowers striped .....	.40	.10
1662 Enchantress. A new dwarf variety, almost covered with flowers from early summer until killed by frost; the flowers are of many shades and colors .....	.40	.10
1672 Pepita. Fringed flowers of deep scarlet with a white border.....	.65	.25
1668 Rosy Morn. Dwarf, bushy plants, bearing in great profusion brilliant rose colored flowers with a white throat; excellent for pot culture ....	.40	.15



Petunia—Grandiflora Fringed

	Large pkt.	Pkt.
1671 Snowball. Compact habit; flowers pure white..	\$0.40	\$0.10
1673 Star (Howard's). A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinct five-pointed white star.....	.40	.15
1675 Choice Mixed. Striped and blotched; oz., \$1.00	.30	.10
1677 Fine Mixed. All colors.....oz., \$0.75	.20	.05
1679 Imported Collection. Single fringed, 6 varieties		.50
1680 Imported Collection. Single fringed, 12 varieties		1.00

DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

	Large pkt.	Pkt.
1659 Double Fringed White. Extra large, pure white, fringed flowers	\$0.75	\$0.25
1661 Double Fringed Mixed. Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and of choicest colors. Per 500 seeds, \$1.00.....		.25
1682 Imported Collection. Double Fringed. 6 varieties...		.75

PELARGONIUM. See Geranium

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing large spikes of handsome flowers.

	Large pkt.	Pkt.
1643 Barbatus Torreyi. Spikes of brilliant coral red, very effective; June to August; 3 to 4 feet....	\$0.15	\$0.10
1646 Digitalis. Spikes of white flowers, with purple throat; July and August .....	.15	.10
1647 Hartwegi Albus (New). Large, open throated, gloxinia-like blooms, clear white, 2½ feet. Orig. pkt. ....		.25
1644 Sensation. Plants producing large spikes of gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection .....	.40	.15
1645 Mixed. Producing large spikes of handsome flowers; 3 feet .....	.15	.05

PERILLA

1650 Nankinensis. Ornamental annual plants with dark purple foliage; 2 feet15	.05
--	-----	-----

PHYSOSTEGIA (False Dragon Head)

A pretty hardy perennial, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

	Large pkt.	Pkt.
1732 Virginica, Pink	\$0.20	\$0.10
1733 " Alba. White .....	.30	.10



Double Fringed Petunia

*Phlox Drummondii***PHLOX DRUMMONDII**

One of our finest hardy annuals, on account of its long season in bloom; easily grown from seed; makes a brilliant display as a summer bedding plant.

DWARF GROWING VARIETIES

- Excellent for edgings; growing but 8 ins. tall and very compact.
- | | | |
|--|--------------|---------|
| 1688 Cecily, Mixed. Large flowering, dwarf compact | Lge. pkt. | Pkt. |
| variety, of many beautiful colors and shades. | \$0.40 | \$0.10 |
| 1690 Crimson with White Eye | .30 | .10 |
| 1692 Deep Scarlet | .30 | .10 |
| 1693 Fair Maid. Soft pink | .30 | .10 |
| 1694 Fireball. Brilliant scarlet | .30 | .10 |
| 1696 Pink | .30 | .10 |
| 1700 Snowball. Pure white | .30 | .10 |
| 1702 Violet with White Eye | .30 | .10 |
| 1704 Choice Mixed | 1/4 oz. 50c. | .30 .10 |

TALL GROWING VARIETIES

Plants grow 12 to 15 inches tall, are excellent for groups and cutting; flowers of large size.

MICHELL'S "GRANDIFLORA" STRAIN

- | | | |
|---|------------|---------|
| | Large pkt. | Pkt. |
| 1710 Alba. Pure white | \$0.30 | \$0.10 |
| 1712 Coccinea. Brilliant scarlet | .30 | .10 |
| 1714 Pink | .30 | .10 |
| 1716 Stellata Splendens. Scarlet with white eye.... | .30 | .10 |
| 1720 Choice Mixed. All colors | oz. 75c. | .25 .10 |
| 1721 Imported Collection, 12 varieties | | .75 |

VARIOUS PHLOXES Lge. pkt. Pkt.

- | | | |
|---|--------|--------|
| 1722 Fine Mixed. All colors and forms; oz. 60c. | \$0.20 | \$0.05 |
| 1723 Double Mixed. Flowers with several rows of petals; fine for cutting | .30 | .10 |
| 1729 Star of Quedlinburg. Beautiful star-shaped flowers of various colors | .25 | .10 |

HARDY PHLOX

- | | | |
|--|-----|-----|
| 1725 Decussata. For a gorgeous show these are the most satisfactory of all perennials; plants 2 feet high, in all bright colors; seeds sown late in fall will germinate in the spring; mixed; 1/4 oz. 60c. | .30 | .10 |
|--|-----|-----|

PINKS See Carnations and Dianthus

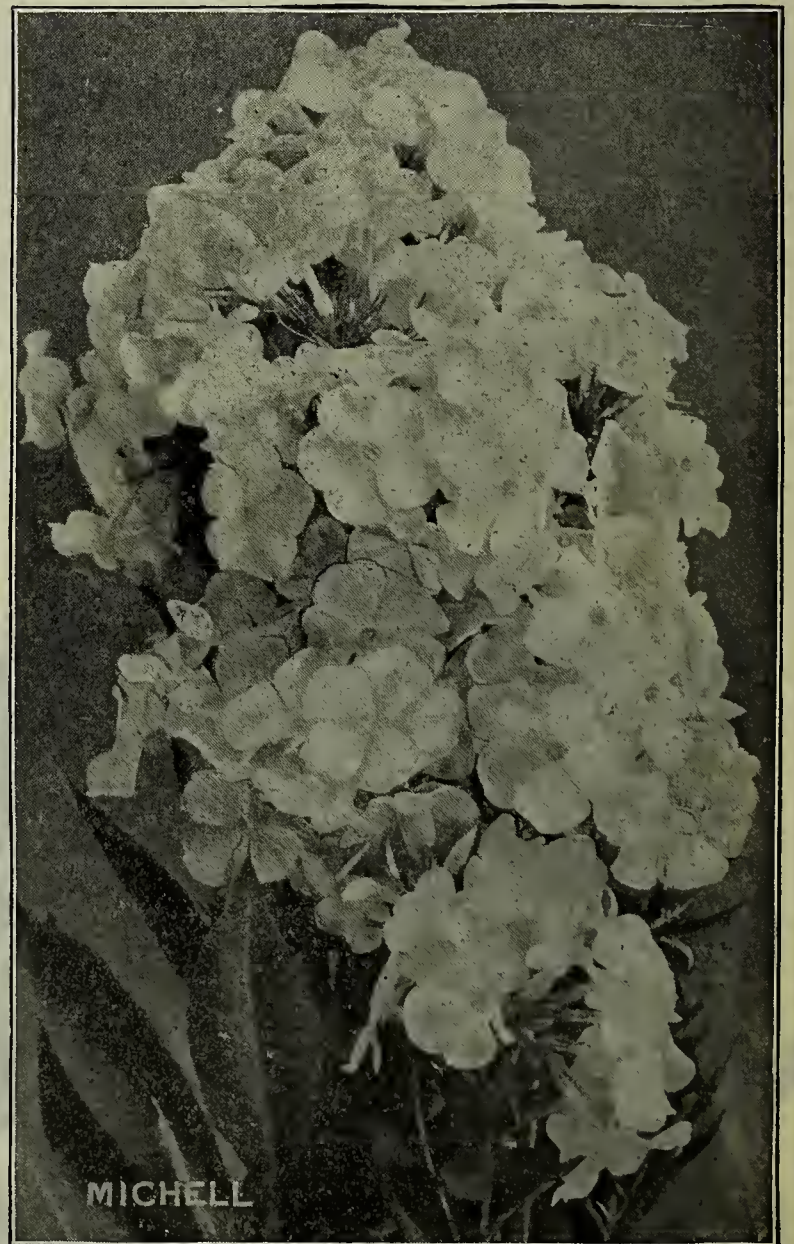
PLATYCODON (Chinese Bell Flower)

- | | | |
|--|-----------|------|
| 1735 Grandiflorum, Blue. A hardy perennial bearing a profusion of large bell-shaped flowers the whole season; 2 to 3 feet... | Lge. pkt. | Pkt. |
| | .15 | .05 |
| 1736 Grandiflorum, White | .15 | .05 |
| 1737 Japonicus Fl. Pl. (Double Japanese Bell Flower). Large glossy, deep blue flowers | .40 | .15 |

POLYANTHUS (Primula Elatior)

Beautiful spring flowering hardy perennials, either for pot culture or for garden; succeeds best in partial shade; 9 inches.

- | | | |
|---|--------|--------|
| 1738 Gold Laced. Flowers of brilliant colors, with distinct yellow edge | \$0.50 | \$0.15 |
| 1740 Double Mixed. Beautiful colors | .65 | .15 |
| 1741 English Mixed. The best single | .30 | .10 |

*Hardy Phlox*

For a brilliant display throughout the Summer, sow a bed of our Phlox



Shirley Poppies

MICHELL'S BRILLIANT POPPIES

One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown where they are to remain, as they do not stand transplanting.

SINGLE POPPIES

	Oz.	Pkt.
1773 Michell's Shirley. An improved strain of this lovely race of poppies, varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect.....	.40	.05
1764 Admiral. Large flower of pure white with broad band of scarlet at edge of each petal...	.50	.10
1765 Danebrog. Flowers brilliant scarlet with a silvery-white spot on each petal; 2 feet.....	.25	.05
1769 Maid of the Mist. Large white flowers beautifully fringed; 3 to 4 feet .....	.30	.10
1771 Miss Sherwood. Satiny white with upper half of corolla chamois rose .....	.40	.10
1775 Tulip. A beautiful poppy, resembling a large tulip; color a dazzling scarlet; 1 foot .....	.50	.10
1777 Umbrosum. Rich vermillion with a deep shining black spot on each petal; 2 feet .....	.25	.05
1767 King Edward. Deep scarlet, shaded crimson (Large packet, 40c.) .....		.15

DOUBLE POPPIES

Deep massive heavy flowers on long erect stout stems; splendid for cutting while in bud.

	Oz.	Pkt.
1743 Carnation Flowered. Double fringed, mixed ..	\$0.20	\$0.05
1745 Crimson King. Flowers perfectly round, crimson; 2 feet .....	.25	.05
1747 Fairy Blush. Flowers white, elegantly fringed and tipped with rose; 2 feet .....	.25	.05

DOUBLE POPPIES (Continued)

	Oz.	Pkt.
1751 Mikado (<i>Striped Japanese</i>). Double fringed flowers, white striped with crimson; 18 inches ..	.25	.05
1753 Paeony Flowered White .....	.25	.05
1755 Paeony Flowered Yellow. Very fine .....	.25	.05
1752 Paeony Flowered Scarlet .....	.25	.05
1757 Paeony Flowered Mixed. Immense double flowers resembling a Paeony; 2 feet .....	.20	.05
1759 Double Shirley. Double large flowers, mixed..	.25	.05
1763 Imported Collection. Double Paeony flowered; 6 varieties .....		.25

PERENNIAL POPPIES

	Lge. pkt.	Pkt.
1782 Giant Scarlet (<i>Bracteatum</i>). Large flowers...	\$0.15	\$0.10
1784 Iceland, Single Mixed. Colors range from white and yellow to deep orange scarlet; useful for cutting; 12 ins. ....	.20	.10
1783 Iceland, White .....	.20	.10
1785 Iceland, Yellow .....	.20	.10
1786 Iceland, Double Mixed. 1 foot .....	.30	.10
1787 Oriente. Extra large flowers; deep scarlet..	.25	.10
1791 " Mrs. Perry. Rich, salmon pink...	.40	.10
1789 " Parkmanni. Deep crimson .....	.40	.10
1792 " Psyche. Delicate rosy blush.....	.40	.10
1793 " Trilby. Brilliant red .....	.40	.10
1788 " Hybrids. Beautiful flowers of large size; many colors mixed .....	.30	.10
1790 Imported Collection. Perennial poppies, 8 varieties..		.40



Single Portulaca

PORTULACA

Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors;

	Large pkt.	Pkt.
1795 Double Mixed. All colors..... 1/4 oz., \$0.60	\$0.50	\$0.10
1797 Single Mixed. All colors..... oz., .35	.15	.05
1799 Imported Collection. 8 Double varieties.....		.50
1800 Imported Collection. 8 Single varieties.....		.25



Michell's Prize Chinese Primula

PRIMULA

FRINGED CHINESE PRIMROSE

Our strains are unsurpassed and have won many first prizes.

1819 Michell's Prize Mixture.	This mixture contains only the very finest sorts selected from the best strains	Large pkt.	Pkt.
1808 Duchess.	Large; white with zone of rosy carmine, yellow eye	.75	.40
1805 Alba Magnifica.	White flowers with yellow eye	.75	.40
1806 Chiswick Red.	Brilliant red	.75	.40
1807 Holborn Blue.	A beautiful shade	.75	.40
1809 Kermesina Splendens.	Crimson	.75	.40
1811 Rosy Morn.	Delicate pink	.75	.40
1813 Stellata (Sutton's).	Excellent pot plant; mixed.		
	Per original pkt.	.75	.75
1815 Fern Leaved.	Choicest mixed colors	.75	.25
1825 Imported Collection.	8 varieties	.75	.75

PRIMULA OBCONICA GIGANTEA

A great improvement over the old type; flowers much larger, and produced in greater abundance.

1831 Lilacina.	Pale lilac	Large pkt.	Pkt.
1826 Rosea.	Pink	.65	.20
1827 Kermesina.	Crimson	.65	.20
1835 Alba.	White	.65	.20
1829 Hybrida Mixed		.65	.20

PRIMULA OBCONICA GRANDIFLORA

1828 Compacta.	Dwarf, compact plants with dense heads of large rosy lilac flowers	.65	.25
1830 Fimbriata.	Flowers fringed; mixed colors	.65	.15
1837 Vesuvius.	Deep crimson	.65	.25
1833 Crispa (New).	Large flowers, which are crisped or curled, making them very attractive; color, from apple blossom pink to rose		.25

PRIMULA—(Continued)
VARIOUS SORTS

		Large pkt.	Pkt.
1845 Primula Kewensis (Verbena Scented Yellow Primrose).	Spikes each 12 to 18 inches long, and bearing four to six whorls of bloom; color, soft yellow	\$0.65	\$0.40
1839 Buttercup (New).	Yellow flowers; fine for pots	.65	.25
1844 Forbesi (Baby Primrose).	Small flowers; fine for pots; color, rosy lilac	.65	.15
1842 Malacoides.	Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing; color, a pretty light lilac		.25
1843 Malacoides Alba.	Flowers pure white		.25

HARDY PRIMROSES

1840 Cortusoides Sieboldii.	Hardy perennial variety; should have slight protection during the winter; also fine for pots; mixed colors	.65	.15
1846 Veris (English Cowslip).	Hardy perennial; fragrant; mixed	.20	.10
1848 Vulgaris (English Primrose).	The common hardy English variety; canary yellow	.40	.10

PUERARIA THUNBERGIANA (Kudzu Vine)

1855 One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms		.25	.10
--	--	-----	-----



Pyrethrum "Aureum"

PYRETHRUM

FOLIAGE SORTS FOR BEDDING

Foliage plants used for edging of ornamental beds; leaves are finely cut and of a golden yellow color.

1860 Aureum (Golden Feather).	Bright golden foliage; 8 inches	Large pkt.	Pkt.
1864 Selaginoides.	Leaves very finely cut	oz. 50c.	\$0.15 \$0.10

FLOWERING SORTS

Hardy perennials; fine for borders; very desirable for cutting.			
1862 Roseum.	Flowers bright rose color; July; 2 feet	Lge. pkt.	Pkt.
1866 Uliginosum.	Large, single white flowers; September; 6 feet	\$0.25	\$0.10
1868 Hybridum Single Mixed.	Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet	.30	.10
1869 Hybridum Double Mixed		.20 .10	.65 .25

RHODANTHE (Everlasting Flower)

1875 A beautiful annual, for the garden or for pot culture; mixed colors; 1 foot		.20	.05
--	--	-----	-----

Our strains of Primula cannot be excelled

**RICINUS** (Castor Oil Bean)

These ornamental plants are used with great effect on lawns, as centrepieces in flowering beds such as cannas, etc.

- 1885 **Michell's Giant.** A new hybrid of gigantic dimensions; the stem and stalks are covered with a blue bloom; leaves dark brown and measure 2 to 2½ feet in diameter \$0.50 Pkt. \$0.10
- 1880 **Borboniensis.** Beautiful green foliage; 15 feet .15 .05
- 1882 **Cambodgensis.** Large leaves, dark bronzy-maroon; stalk and stems nearly black; 5 feet.. .20 .05
- 1884 **Gibsoni.** Deep red foliage; 5 feet15 .05
- 1886 **Philippiensis.** Gigantic purple foliage; 10 feet .15 .05
- 1888 **Sanguineus.** Blood-red stalks and clusters of red fruit; 8 feet15 .05
- 1890 **Zanzibariensis.** Enormous leaves varying in color from light green to purplish red; 12 feet .15 .05
- 1891 **Mixed.** All sorts15 .05

SAINTPAULIA (African Violet)

- 1910 **Ionantha.** Beautiful greenhouse plants, bearing a profusion of flowers resembling the violet... .25

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 inches.

GRANDIFLORA

- | | Large pkt. | Pkt. |
|---|------------|--------|
| 1912 Black, Yellow Veined | \$0.30 | \$0.10 |
| 1914 Carmine | .30 | .10 |
| 1916 Crimson | .30 | .10 |
| 1918 Pink | .30 | .10 |
| 1919 Our Collection. One packet each of above 4 colors, 35c. | | |
| 1920 Choice Mixed. A fine mixture | .25 | .05 |
| 1924 Imported Collection. 6 large flowering varieties... | .30 | |

EMPEROR

A new type having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold, and of immense size.

- | | Large pkt. | Pkt. |
|--------------------------------|------------|--------|
| 1922 Choice Mixed | \$0.40 | \$0.10 |

RUDBECKIA (Coneflower)

Tall growing plants, flowering profusely all summer.

- | | Lge. pkt. | Pkt. |
|---|-----------|--------|
| 1900 Bicolor Superba. Yellow flowers with brown disc in centre; annual; 2 feet | \$0.15 | \$0.10 |
| 1902 Newmani. Large yellow flowers with black centre; perennial; 2 feet; all summer | .40 | .10 |
| 1904 Purpurea (<i>Giant Purple Cone Flower</i>). Hardy perennial; showy reddish purple flowers, with dark brown disc; 3 feet | .20 | .10 |



Salvia, Michell's Scarlet Glow

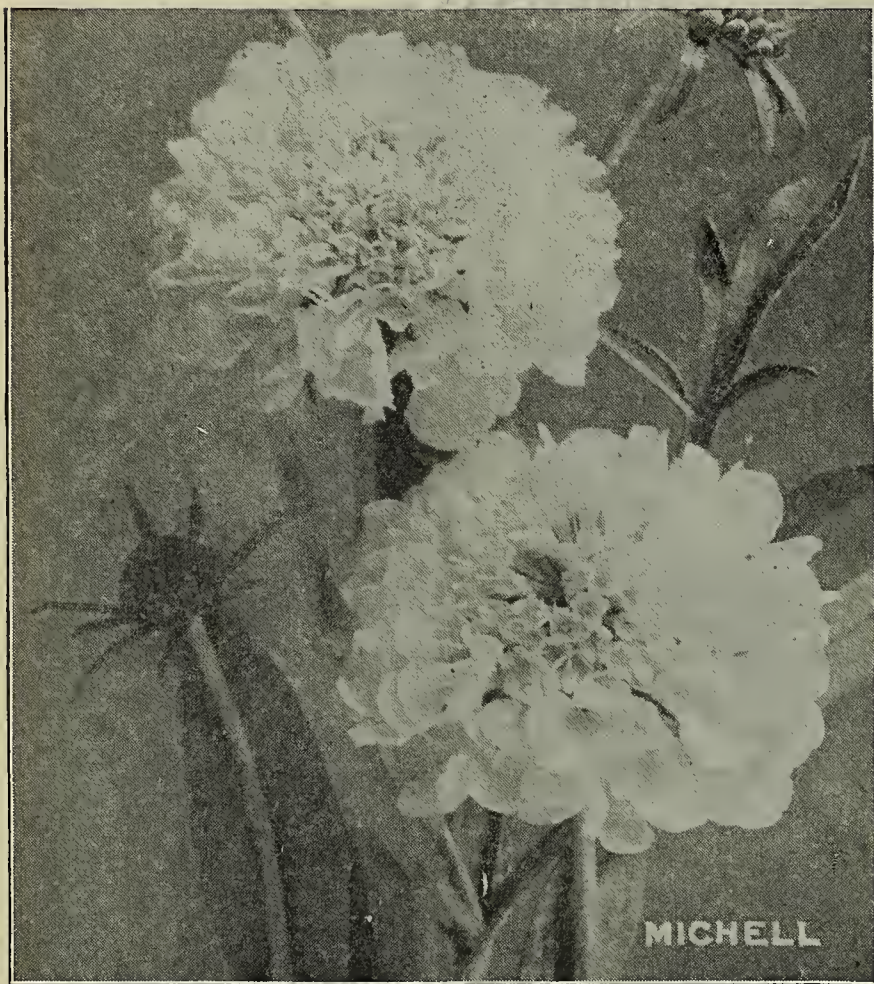
SALVIA (Scarlet Sage)

This popular bedding plant is impossible to be replaced. There is nothing more effective in the fall or mid-summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hotbeds.

- | | Large pkt. | Pkt. |
|--|------------|---------|
| 1941 Michell's Scarlet Glow. A new variety of great merit, and an improvement on the Zurich; dwarf and compact; produces early in the season a mass of bright scarlet flowers.... | \$0.65 | \$0.25 |
| 1930 Bonfire (<i>Clara Bedman</i>). Compact bushy plants 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers; ¼ oz. 75c. | 30 | .10 |
| 1928 Ball of Fire. A dwarf early flowering variety with long spikes of brilliant scarlet flowers; excellent for borders; 18 inches | .40 | .15 |
| 1946 Zurich. This is the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; height, 18 ins. | .40 | .15 |
| 1944 Splendens. The popular sort. Tall growing plants with bright scarlet flowers; height, 3 feet | ¼ oz. 50c. | .30 .10 |
| 1937 King of Carpets. Exceedingly dwarf growing plants with hardly any foliage and all flowers; color, brightest scarlet; very showy and distinct | .40 | .15 |
| 1940 Patens. Bright blue flowers of large size; height, 2 feet | .40 | .15 |
| 1931 Compacta Alba. A dwarf-growing variety with pure white flowers | | .30 |
| 1927 Azurea Grandiflora. A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers; 2 feet | .30 | .10 |

SANVITALIA

- | | | |
|---|-----|-----|
| 1947 Procumbens Fl. Pl. Dwarf annual with bright yellow, double flowers; useful for edgings, or in vases, baskets etc.; 6 inches | .20 | .10 |
|---|-----|-----|

*Scabiosa, Grandiflora***SCABIOSA (Mourning Bride)**

Free-flowering annuals of easy culture; splendid for cutting or garden effect; should be in every collection.

TALL GROWING VARIETIES

Flowers large and very showy, on stalks fully 2 feet high.

	Large pkt.	Pkt.
1951 Azure Fairy. Light heavenly blue	\$0.20	\$0.10
1953 Fiery Scarlet .....	.20	.05
1954 Flesh Pink .....	.20	.05
1955 King of Blacks. Deep maroon, almost black...	.20	.05
1957 Pompadour. Deep purple, edged with white....	.20	.05
1959 Sulphur Yellow .....	.20	.05
1961 Pure White .....	.20	.05
1966 Othello. Dark purple .....	.20	.10
1964 Finest Mixed	oz. 50c.	.15 .05
1962 Dwarf Double Mixed. Plants grow but 12 ins. high; all colors	oz. 30c.	.15 .05

HARDY PERENNIAL VARIETIES

Handsome perennial border plants flowering the entire season.

	Large pkt.	Pkt.
1950 Caucasica. Soft blue	\$0.40	\$0.10
1948 Caucasica Alba. Pure white .....	.50	.10
1965 Japonica. Lavender .....	.40	.15

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals, bearing a profusion of pretty butterfly like flowers of various colors, closely resembling some species of Orchids; also desirable for winter blooming in pots.

1968 Grahmi Niveus. A new variety with finely cut foliage, with a profusion of snowy white flowers; 2 feet	Lge. pkt.	Pkt.
	\$0.50	\$0.15
1970 Hybridus Grandiflorus. Free flowering, plants covered with flowers of many shades of orchid-like appearance; 12 inches .....	.40	.15
1971 Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre .....	.65	.20
1972 Mixed. Various colors .....	.15	.05

SENSITIVE PLANT (Mimosa)

Large pkt. Pkt.

1975 Pudica. Curious and interesting annual plants with pinkish white flowers; the leaves droop when shaken; 18 inches	\$0.15	\$0.05
--	--------	--------

SHAMROCK

1978 True Irish. Small leaved30	.10
-------------------------------------	-----	-----

SHASTA DAISY. See *Chrysanthemum*

SILENE (Catchfly)

Free-flowering hardy annuals, with showy flowers; 4 inches.

1980 Bonetti, Dwarf Pink. Plants dwarf, thickly studded with bright pink flowers.....	.15	.10
1982 Dwarf Golden Leaved. Flowers pink .....	.15	.05
1984 Double Dwarf White. A beautiful variety....	.15	.05

SMILAX

1985 A greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing; 10 feet....oz. 50c.	.15	.10
--	-----	-----

SNAPDRAGON. See *Antirrhinum*

SOLANUM

Ornamental plants for winter decoration; of dwarf, branching habit; bears a profusion of bright berries; 1 foot. Lge. pkt. Pkt.

1990 Capsicastrum (<i>Jerusalem Cherry</i>). Bright scarlet berries; 1 foot	oz. 40c.	.15 .10
1991 Fra Diavola. Of dwarf compact growth; leaves and fruit smaller than above.....	.30	.15

STATICE (Everlasting Flower)

1993 Latifolia. Hardy perennial variety, with large, deep blue flowers; 2 feet.....	.25	.10
1995 Suworowi. An annual variety with pink flowers; fine for winter bouquets; 1 foot.....	.20	.10

STEVIA

2000 Serrata. Free blooming for summer or winter; profusion of fragrant white flowers; 2 feet..	.20	.10
---	-----	-----

STIPA, Ornamental Grass. (See page 93)

*Stokesia, Cyanea***STOKESIA (Cornflower or Stokes' Aster)**

Dwarf tufts with stout flower stalks, 15 inches high, with large Aster-like flowers; perennial; July to October. Lge. pkt. Pkt.

2055 Cyanea. Light blue	\$0.25	\$0.10
2057 " Alba. Pure white .....	.30	.10

MICHELL'S "DISTINCTIVE" STOCKS

There are far too few fragrant flowers, particularly when the fragrance is pleasing; stocks enjoy the reputation of having the most pleasing fragrance of any flower save the violet; some varieties are splendid for borders, others for cutting and some for both purposes. To get the best results, sow from February till April in the house and transplant to small pots before setting out. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S "FLOWER MARKET" STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	1/8 Oz.	Large pkt.	Pkt.
2053 White	\$.75	\$.40	\$.15
2051 Flesh Color .....	.75	.40	.15
2052 Rose .....	.75	.40	.15
2050 Light Blue .....	.75	.40	.15
2049 Dark Blue .....	.75	.40	.15
2048 Blood Red .....	.75	.40	.15
2054 Mixed Colors .....	.75	.40	.15

MICHELL'S "DISTINCTIVE" COLUMN STOCK

Stout plants produce just one giant spike, lined with mammoth flowers; height, 3 feet.

	1/8 Oz.	Large pkt.	Pkt.
2027 Blood Red	\$.75	\$.40	\$.15
2028 Pure White .....	.75	.40	.15

LARGE FLOWERED DWARF TEN WEEK STOCK

For bedding there is nothing more effective; dwarf compact growing plants, producing thick short spikes of elegant double flowers.

	1/8 Oz.	Large pkt.	Pkt.
2010 Blood Red	\$.50	\$.30	\$.10
2012 Light Blue .....	.50	.30	.10
2014 Pink .....	.50	.30	.10
2016 Purple .....	.50	.30	.10
2018 White .....	.50	.30	.10
2020 Yellow .....	.50	.30	.10
2022 Choice Mixed .....	.50	.30	.10
2023 Imported Collection. 8 varieties .....			.50

For valuable Novelties and Specialties, see pages 12 to 18.



Stock-Abundance



Michell's "Nice" Stock

MICHELL'S "NICE" STOCK

An early flowering strain; remarkable free bloomer, producing an abundance of large double, fragrant flowers on a single plant; fine for garden bedding or cutting.

2035 **Beauty of Nice.** Delicate soft pink. Pkt. 15c., 40c. large pkt.

2036 **Crimson King.** Brilliant fiery crimson. Pkt. 15c., 40c. large pkt.

2038 **Queen Alexandra.** Delicate lavender. Pkt. 15c., 40c. large pkt.

2034 **Victoria.** Pure white. Pkt. 15c., 40c. large pkt.

2029 **Abundance** (see illustration). Of dwarf spreading habit, bearing a profusion of flowers; color, a beautiful shade of carmine rose. Pkt. 15c., 40c. large pkt.

2042 **Midsummer Night.** Deep dark violet. Pkt., 20c.; 40c. large pkt.

2040 **La Brillante.** Rich brilliant crimson. Pkt., 20c.; 40c. large pkt.

2041 **Mme. Rivoire.** Early flowering; color, pure white. Pkt. 15c.; 40c. large pkt.

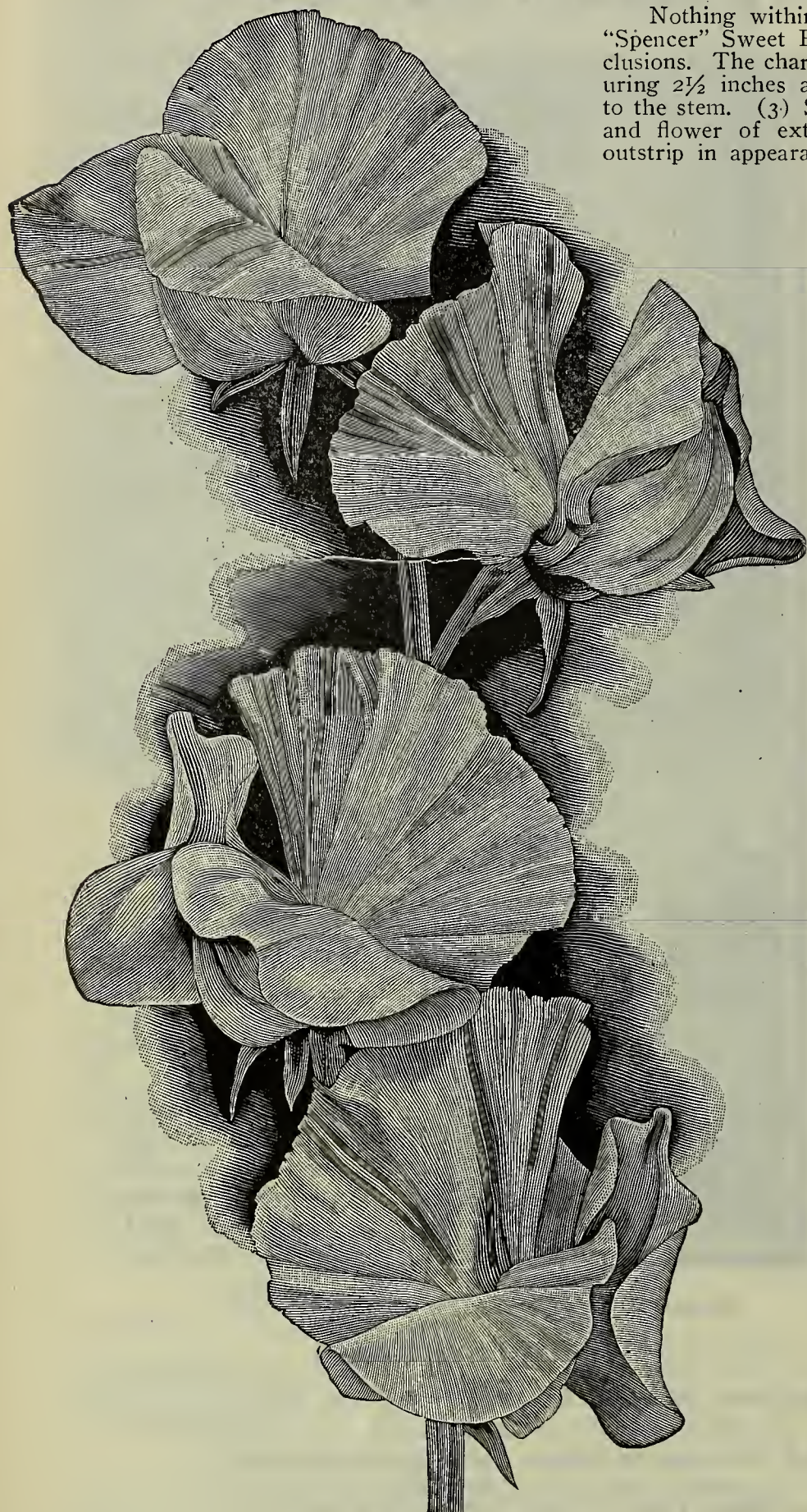
VARIOUS STOCKS

	Large.	pkt.	Pkt.
2025 Wall Flowered Leaved. Glossy deep green foliage with flowers in all shades.....	\$.30		\$.10
2037 Brompton or Winter. Fine for forcing under glass or early summer flowering outdoors....	.40		.10
2045 White Lady. A new Winter Stock, branching freely and producing large double flowers of a lustrous snowy white.....			.25
2043 Princess Alice (<i>Cut and Come Again</i>). Branching plant with double pure white flowers; fine for cutting .....	.40		.10
2031 Bismarck. Of pyramidal form with a profusion of fragrant, pure white flowers.....	.40		.15
2047 Virginian Stock Mixed. A splendid free flowering plant, growing easily from seed sown outdoors	oz. 30c.	.15	.05



MICHELL'S "NEW SPENCER" OR ORCHID FLOWERED SWEET PEAS

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. Though but few years old they revolutionize all former conclusions. The characteristics of this new type are: (1) Enormous flowers (often measuring 2½ inches across) with exquisitely wavy petals. (2) Invariably four flowers to the stem. (3) Stems averaging 12 to 15 inches in length. (4) Plant, foliage, stem and flower of extraordinary robust health. Six sprays of these new Sweet Peas outstrip in appearance 25 sprays of the older kinds.



New Spencer Sweet Peas

MICHELL'S "SUPERB" SPENCER MIXTURE

We blend this ourselves from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite colors and shades; we are sure this mixture will give absolute satisfaction. Per pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

		WHITE			
		Pkt.	Oz.	¼lb.	Lb.
2216	Nora Unwin. Large, pure white.....	\$0.10	\$0.20	\$0.50	\$1.75
2255	White Spencer. Clear white.....	.10	.30	1.00	3.75
2201	Mrs. Sankey Spencer. Black seeded pure white .....	.10	.20	.60	2.25
2148	Etta Dyke. Pure white.....	.10	.20	.60	2.25
		LIGHT PINK			
2135	Countess Spencer. A lovely clear pink, shading deeper at the edge....	.10	.25	.75	2.50
2152	Gladys Unwin. Delicate pink.....	.10	.15	.50	1.50
2112	Blanche Ferry Spencer. Immense flowers; pink and white.....	.10	.30	1.00	3.50
2144	Elfrida Pearson. Light pink, margined with darker pink.....	.15	.60	2.00	
2156	Florence Morse Spencer. Delicate blush with pink margin.....	.10	.25	.85	3.00
2187	Lovely Spencer. Deep pink, shading to blush .....	.10	.30	1.00	3.50
2143	Duplex Spencer (New). Large; rich cream pink; nearly all the flowers have double or triple standards....	.15	.50	1.50	5.25
2246	Stirling Stent. Deep salmon, suffused with orange.....	.15	.60	2.00	
2249	W. T. Hutchins. Apricot pink.....	.10	.25	.85	3.00
2199	Mrs. Routzahn Spencer. Buff pink	.10	.35	1.25	4.25
2198	Mrs. Hugh Dickson. Salmon pink on cream ground.....	.10	.25	.75	2.50
2157	Helen Lewis. Orange pink.....	.10	.25	.85	3.00
		DEEP PINK OR ROSE			
2161	Geo. Herbert. Rose pink.....	.10	.20	.60	2.25
2099	Apple Blossom Spencer. Deep pink	.10	.25	.85	3.00
2189	Marie Corelli. Rich rose crimson...	.10	.35	1.25	4.25
		PRIMROSE OR LIGHT YELLOW			
2224	Primrose Spencer. Light yellow....	.10	.30	1.00	3.50
		LAVENDER			
2100	Asta Ohn Spencer. Rich lavender..	.10	.30	1.00	3.75
2155	Flora Norton Spencer. Light lavender .....	.10	.50	1.50	5.25
2153	Frank Dolby. Mauve lavender.....	.10	.20	.50	1.75
2188	Margaret Madison. Light lavender or azure blue.....	.15	.70	3.00	
2248	Tennant Spencer. Lavender.....	.10	.25	.85	3.00
2147	Florence Nightingale. The largest and best lavender.....	.10	.35	1.25	4.25
		BLUE AND PURPLE			
2124	Captain of the Blues Spencer. Standard purple; wings blue.....	.10	.25	.85	3.00
2164	Irish Belle (New). Lovely rich lilac, flushed with pink.....	.15	.50	1.50	5.25
		SCARLET			
2169	King Edward Spencer. Bright crimson scarlet.....	.10	.25	.85	3.00
2229	Queen Alexandra. Bright scarlet....	.10	.35	1.25	4.25
2254	Vermilion Brilliant (New). Intense scarlet .....	.15	1.50	5.00	
2160	George Stark. Bright scarlet.....	.10	.20	.60	2.25
		MAROON			
2219	Othello Spencer. Deep maroon.....	.10	.25	.85	3.00
2108	Black Knight Spencer. Large; rich deep maroon.....	.10	.25	.85	3.00
		STRIPED AND FLAKED			
2103	Aurora Spencer. Striped and flaked salmon-rose on white ground.....	.10	.25	.85	3.00
2097	America Spencer. Red flakes on white ground.....	.10	.25	.85	3.00
2123	Charm. White, suffused blush pink..	.15	.70	2.50	
2145	Ethel Roosevelt. Gigantic flower of soft primrose, flaked with crimson..	.10	.25	.85	3.00
2215	Mrs. W. J. Unwin. White, flaked with orange scarlet.....	.15	.60	2.25	

MICHELL'S

STANDARD VARIETIES

SELECTED

NAMED

SWEET PEAS

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts, and for freedom of bloom, size of flowers and length of stem cannot be surpassed.

For the convenience of our customers we have arranged the different varieties according to color.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

WHITE

	Oz.	¼ lb.	Lb.
2106 Blanche Burpee. Large, pure white....	\$0.10	\$0.30	\$1.00
2136 Dorothy Eckford. Extra large, white...	.10	.30	1.00
2150 Emily Henderson. Pure white.....	.10	.30	1.00
2202 Mont Blanc. Early; pure white.....	.15	.35	1.15

PRIMROSE AND YELLOW

2162 Hon. Mrs. E. Kenyon. Primrose yellow	.15	.35	1.15
--	-----	-----	------

ROSE AND PINK

2110 Blanche Ferry. Pink and white.....	.10	.30	1.00
2114 Blanche Ferry (<i>Extra Early</i>).....	.15	.35	1.15
2146 Earliest of All. Pink and white.....	.15	.35	1.15
2166 Katherine Tracy. Soft but brilliant pink	.10	.30	1.00
2186 Lovely. Soft shell pink.....	.10	.30	1.00
2222 Prima Donna. Lovely soft pink.....	.10	.30	1.00
2226 Prince of Wales. Rose crimson.....	.15	.35	1.15

ORANGE

2194 Miss Wilmott. Deep orange pink.....	.15	.35	1.15
---	-----	-----	------

LAVENDER

2134 Countess of Radnor. Pale lavender....	.10	.30	1.00
2170 Lady Grisel Hamilton. Pale lavender..	.15	.35	1.15
2151 Flora Norton. Delicate lavender.....	.15	.35	1.15

CRIMSON AND SCARLET

2168 King Edward VII. Crimson scarlet....	.10	.30	1.00
2228 Queen Alexandra. Large scarlet.....	.15	.35	1.15
2242 Salopian. Scarlet.....	.15	.35	1.15

BLUE AND PURPLE

2142 Duke of Westminster. Standard clear purple, wings violet.....	.10	.30	1.00
2178 Lord Nelson. Rich navy blue.....	.10	.30	1.00
2214 Navy Blue. Deep violet blue.....	.10	.30	1.00

MAROON

2105 Black Knight. Deep maroon.....	.15	.35	1.15
2218 Othello. Very dark maroon.....	.10	.30	1.00

STRIPED AND MOTTLED

2095 America. Blood red striped on white....	.10	.30	1.00
---	-----	-----	------

Price, any of the above Varieties, 5c. per packet.

SPECIAL COLLECTIONS OF SWEET PEAS

One packet each 15 named varieties our selection.....	\$0.50
One ounce each 15 named varieties our selection.....	1.00
One packet each 25 named varieties above.....	.75
One ounce each 25 named varieties above.....	2.00



Michell's Christmas or Winter Flowering
SWEET PEAS

The following varieties can be successfully grown outdoors in summer, but are especially desirable for forcing in greenhouse for winter blooming.

2245 Michell's Snowdrift. Pure white; black seeded; extra early; large flowers on long stems.....	Pkt. \$0.15	Oz. \$0.40	¼ lb. \$1.25
2126 Christmas Meteor. Scarlet .....	.10	.25	.75
2127 " Pink. Pink and white.....	.10	.25	.75
2129 " White. (<i>Florence Denzer</i>)..	.10	.25	.75
2174 Le Marquis. Large dark blue.....	.10	.25	.75
2203 Mrs. Alex. Wallace. Lavender.....	.10	.25	.75
2206 Mrs. Chas. H. Totty. Lavender.....	.10	.25	.75
2207 Mrs. Edie Wilde. Carmine red.....	.10	.25	.75
2209 Mrs. F. J. Delansky. Daybreak pink...	.10	.25	.75
2210 Mrs. Geo. Lewis. Pure white.....	.10	.25	.75
2213 Mrs. William Sim. Salmon pink.....	.10	.25	.75
2211 Mrs. W. W. Smalley. Satin pink.....	.10	.25	.75
2264 Mixed. Winter flowering.....	.10	.25	.75

Zvolanek's Christmas or Winter Flowering
SWEET PEAS

	Pkt.	Oz.	¼ lb.
2127A Christmas Pink. Pink and white....	\$0.15	\$0.35	\$1.00
2129A " White (<i>Florence Denzer</i>)..	.15	.35	1.00
2126A " Meteor. Scarlet.....	.15	.35	1.00
2174A Le Marquis. Large dark blue.....	.15	.35	1.00
2203A Mrs. Alex. Wallace. Lavender.....	.15	.35	1.00
2206A Mrs. Chas. H. Totty. Lavender.....	.15	.35	1.00
2213A Mrs. William Sim. Salmon pink....	.15	.35	1.00
2211A Mrs. W. W. Smalley. Satin pink....	.15	.35	1.00
2253A Wallacea. Lavender.....	.15	.50	1.50
2257A Watchung. Pure white.....	.15	.35	1.00
2264A Mixed. Winter flowering.....	.15	.35	1.00

MICHELL'S SUPERB SWEET PEAS



Michell's Magnificent Sweet Pea

Nitrogen Bacteria "Farmogerm"

The ideal preparation for treating sweet peas seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period. 50c. per bottle postpaid. See page 31 for full particulars.

Orange, Va.

Dear Sirs:

I must say that in an experience of 30 years in growing Sweet Peas I never before had such strong growth of vines, united with such persistent blooming and fine flowers.

Yours respectfully,
P. S.

Newnan, Ga.

Oct. 9th, 1913

Gentlemen:

Please send me the following varieties of Sweet Pea seed:— My Spencer Sweet Peas bought of you last year were the finest I ever saw.

Very respectfully,
Mrs. W. D. P.

SWEET PEAS IN MIXTURE

The mixtures offered below have been made up by ourselves and must not be compared with some of the cheap mixtures advertised.

2258 **MICHELL'S MAGNIFICENT MIXTURE.** Great care has been taken in making this mixture, selecting only the large flowering, long stemmed varieties, a large percentage of which are of the lighter colors and shades; the finest mixture obtainable.

Price: 5c. per pkt.; per oz., 15c.; 40c. per $\frac{1}{4}$ lb.; per lb., \$1.25.

2260 **MICHELL'S GILT EDGE MIXTURE.** This mixture contains large flowering varieties and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 10c.; 30c. per $\frac{1}{4}$ lb.; per lb., \$1.00.

2262 **MICHELL'S SUPERB SPENCER MIXTURE.** We blend this ourselves from the choicest Giant Waved Spencer varieties, including a number of new hybrids of exquisite color and shades.

Price: 10c. per pkt.; per oz., 20c.; 60c. per $\frac{1}{4}$ lb.; per lb., \$2.00.

2292 **DWARF CUPID VARIETIES, MIXED.** Compact plants, growing 6 to 7 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom; excellent for edgings or pot culture.

Price: 5c. per pkt.; per oz., 15c.; 50c. per $\frac{1}{4}$ lb.; per lb., \$1.75.



Dwarf Cupid Sweet Peas

**SUNFLOWER** (*Helianthus*)**SMALL FLOWERED SORTS** Large Pkt. Pkt.

- 2087 **Starlight.** Beautiful single canary-yellow flowers with twisted petals; 4 feet \$0.20
2070 **Cucumerifolius.** Single yellow.....oz. 25c. \$0.15 .05
2071 " **Purpureus** (*New*). Flowers in shades from pink to purple..... .20
2072 **Cut-and-Come-Again.** Single yellow flowers with twisted petals..... .15 .10
2082 **Perkeo.** Single yellow, black centre; 1 foot.... .15 .10
2088 **Stella.** Single golden yellow, black centre.oz. 30c. .15 .05

SUNFLOWER—LARGE FLOWERED SORTS

- 2068 **Chrysanthemum Flowered.** Large double extremely well filled golden yellow flowers, resembling Chrysanthemums; 7 feet....oz. 30c. .15 .05
2074 **Double Globe.** Large double yellow flowers on branching tall plants; height, 6 feet....oz. 25c. .15 .05
2076 **Dwarf Double.** Yellow flowers; 3 feet.oz. 25c. .15 .05
2080 **Oscar Wilde.** Single yellow, black centre; 6 ft. oz. 25c. .15 .05
2084 **Polar Star.** Single, creamy white, black centre .20 .10
2086 **Russian Mammoth.** Immense single yellow flowers on tall heavy stalks; 6 feet....oz. 10c. .05

SUNFLOWER—PERENNIAL SORTS

Showy garden flowers blooming the whole summer.

- 2078 **Golden Bouquet.** Single yellow flowers, 5 feet .25 .10
2079 **Choice Mixed.** Single flowering, hardy perennial sorts; will bloom the first year if sown early40 .10



Single Sweet William

SWEET WILLIAM (*Dianthus Barbatus*)

This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

- | | Oz. | Large Pkt. | Pkt. |
|---|--------|------------|--------|
| 2306 Single Crimson | \$0.50 | \$0.15 | \$0.05 |
| 2307 " Red with white eye | .50 | .15 | .05 |
| 2308 " Velvety Maroon | .50 | .15 | .05 |
| 2309 " Violet with white eye | .50 | .15 | .05 |
| 2311 " White | .50 | .15 | .05 |
| 2312 " Mixed. All colors | .30 | .15 | .05 |
| 2313 Pink Beauty. An exceedingly pretty variety with beautiful salmon pink flowers | | .40 | .15 |
| 2315 Scarlet Beauty. A selection out of Pink Beauty; color, intense rich deep scarlet | | .50 | .15 |
| 2310 Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed | .50 | .15 | .05 |
| 2314 Double Mixed | 1.00 | .20 | .10 |

SWEET ROCKET (*Hesperis*)

A desirable hardy plant; excellent for naturalizing among shrubbery or for planting in a permanent border. Large Pkt. Pkt.
2300 **Mixed.** Fragrant white and purple flowers; perennial; 2 to 3 feet\$0.15 \$0.05

SWEET SULTAN (*Centaurea Moschatus*)

Hardy annual; flowers resemble "Bachelor's Buttons"; fragrant flowers on long stems. Large Pkt. Pkt.
2305 **Mixed Colors**oz. 30c. \$0.15 \$0.05



Tagetes, Golden Ring

TAGETES (*Single Marigold*) Large Pkt. Pkt.

- 2320 **Golden Ring.** Dwarf bushy annual Marigold, with beautiful fern-like leaves, covered with flowers of dark brown, edged yellow; 1 foot..\$0.20 \$0.05

THUNBERGIA (*Black-Eyed Susan*)

Rapid growing annual climbers, making a pretty vine for trellis, fences, rockwork, etc.; also for window boxes, hanging baskets, and vases; produces a profusion of pretty flowers. Large Pkt. Pkt.

- 2325 **Alba Oculata.** White, with black eye\$0.20 \$0.05
2326 **Alata.** Buff, with black eye20 .05
2327 **Aurantiaca.** Orange, with black eye20 .05
2328 **Mixed.** All colors20 .05



Torenia, Fournieri Grandiflora

TORENIA

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches. Large Pkt. Pkt.

- 2337 **Fournieri Grandiflora.** Sky-blue flowers, with dark blue spots and yellow throat.....\$0.40 \$0.10

TRITOMA (*Red Hot Poker Plant*)

Showy plants either for bedding, vases or pot culture.

- 2345 **Uvaria Grandiflora.** A most striking ornamental autumn plant; valuable for shrubberies, flower borders or beds; large spikes of orange-scarlet flowers; 3 to 4 feet20 .10

Don't fail to read pages 12 to 18 for Valuable Novelties.



Michell's Mammoth Fancy Verbena

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our *Mammoth Fancy Strain* cannot be surpassed for profusion of bloom and beautiful colors and shades.

	Oz.	Large pkt.	Pkt.
2355 Blue	\$2.00	\$0.40	\$0.10
2357 Pink	2.00	.40	.10
2359 Scarlet	2.00	.40	.10
2361 Striped	2.00	.40	.10
2363 White	2.00	.40	.10
2364 Our Collection. One packet each of above 5 colors		.40	
2365 Michell's Mammoth Fancy Mixed	1.50	.40	.10
2367 New Giant Flowered. A new variety of large size, with extra large white eyes, making them very attractive; mixed colors		.65	.15
2369 Fine Mixed. All colors	oz. 80c.	.25	.05
2371 Lemon Scented (<i>Aloysia Citriodora</i>). An old favorite plant with delightful lemon scented foliage; excellent for growing in the garden in summer and in pots in winter		.40	.10

VALERIANA (Garden Heliotrope)

Hardy perennial border plants, large fragrant flowers; 2 to 3 feet.

	Large pkt.	Pkt.
2348 <i>Officinalis</i> . Showy, rose pink flowers	\$0.40	\$0.10
2350 Mixed. Red, rose or white flowers	.15	.05

VERONICA (Speedwell)

An elegant hardy perennial plant, of easy culture and free-flowering habit; of value as a cut flower or for garden effect. No hardy garden can afford to miss this. Plants grow bushy and produce long spikes of flowers.

	Large pkt.	Pkt.
2373 <i>Spicata</i> . Long spikes of bright blue flowers; 18 inches	\$0.30	\$0.10
2374 <i>Virginica</i> . Long spikes of white flowers; 3 to 5 feet	.30	.10

VINCA ROSEA (Madagascar Periwinkle)

Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

	Large pkt.	Pkt.
2375 <i>Alba</i> . White with rose eye	\$0.20	\$0.10
2376 <i>Alba Pura</i> . Pure white	.20	.10
2377 <i>Rosea</i> . Rose with dark eye	.20	.10
2378 Mixed	oz. 60c. .20	.10

VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in every shape and form, with the additional quality that they are of long stems, and appear uninterruptedly from early spring till snow flies; they require, though, a semi-shady situation, where they can find abundant moisture. If planted in the open, the bed should be well prepared by adding a large quantity of leaf mould and manure, and regular watering must be given.

	Large pkt.	Pkt.
2385 <i>Admiration</i> . Dark blue	\$0.30	\$0.10
2386 <i>Lutea Splendens</i> . Rich, golden yellow	.30	.10
2387 <i>Perfection</i> . Light blue	.30	.10
2388 <i>White Perfection</i> . Pure white	.30	.10
2384 <i>Mauve Queen</i> . Lovely mauve color	.30	.10
2389 <i>G. Wermig (New)</i> . Flowers borne in great profusion on long stems, and of the identical color of the "Princess of Wales" violet		.20

VIOLET—Sweet Scented (*Viola Odorata*)

Well-known, fragrant spring-blooming plants.

	Large pkt.	Pkt.
2390 <i>Single Blue Czar</i> . Dark blue	\$0.40	\$0.10
2392 <i>Single White Czar</i> . Large white	.40	.10
2394 <i>Single Mixed</i> . Blue and white	.40	.10

XERANTHEMUM (Everlasting Flower)

2420 <i>Double Mixed</i> . Excellent for winter bouquets	.15	.05
--	-----	-----

For New Varieties
of Verbenas,
see page
18.



Viola Cornuta

**WALLFLOWER**

While these are perennials, they are not perfectly hardy; the plants should be lifted late in the fall and planted in a cold-frame, and removed to the garden again in the spring; the flowers are fragrant and splendid for cutting; double varieties, 2 ft.; single varieties 1½ ft.

	Large pkt.	Pkt.
2400 Double Brown	\$0.50	\$0.10
2402 " Yellow .....	.50	.10
2404 " Mixed. All colors..	.40	.10
2408 Single Mixed.....oz. 30c.	.15	.05
2410 Imported Collection. 6 double varieties .....	.50	

Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed.

2407 Blood Red	\$0.20	\$0.10
2409 Yellow .....	.20	.10
2406 Mixed. All colors....oz. .50	.15	.10

MIXED OR WILD FLOWER GARDEN SEEDS

This mixture embraces about 100 varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: per pkt. 5c., 15c. per oz., per ¼ lb. 50c., \$1.50 per lb.

MICHELL'S PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many varieties of the choicest old-fashioned flowers. Price: per pkt. 10c., 40c. per oz., per ¼ lb. \$1.25.

*Double Wallflower**New Giant Robusta Zinnia***MICHELL'S "DISTINCTIVE" ZINNIAS (Youth and Old Age)**

Few of our hardy annuals are more effective in the border than Zinnias. They are very easily grown, and bloom continuously from early summer until frost.

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow extremely robust to a height of 2½ feet; have stout, straight stems crowned with gigantic, perfect double flowers, often measuring 5 to 6 inches across; splendid for cutting or garden effect.

	Oz.	Lge. pkt.	Pkt.		Oz.	Lge. pkt.	Pkt.
2466 Crimson	\$2.00	\$0.50	\$0.15	2470 Scarlet	\$2.00	\$0.50	\$0.15
2467 Flesh Color ...	2.00	.50	.15	2471 Sulphur Yellow	2.00	.50	.15
2468 Golden Yellow.	2.00	.50	.15	2472 Violet	2.00	.50	.15
2469 Purple	2.00	.50	.15	2473 White	2.00	.50	.15
				2454 Mixed .....	.90	.25	.10

TALL DOUBLE ZINNIAS

Flowers of good size; height, 2 feet.

	Oz.	Lge. pkt.	Pkt.		Oz.	Lge. pkt.	Pkt.
2440 Crimson	\$0.60	\$0.15	\$0.05	2444 White	\$0.60	\$0.15	\$0.05
2442 Pink .....	.60	.15	.05	2446 Yellow .....	.60	.15	.05
2443 Scarlet .....	.60	.15	.05	2448 Mixed .....	.50	.15	.05

DWARF DOUBLE ZINNIAS

Fine for edgings; height, 1½ feet.

	Oz.	Lge. pkt.	Pkt.		Oz.	Lge. Pkt.	Pkt.
2430 Jacqueminot.				2435 Scarlet	\$0.75	\$0.15	\$0.05
Crimson	\$0.75	\$0.15	\$0.05	2434 White .....	.75	.15	.05
2432 Pink .....	.75	.15	.05	2436 Yellow .....	.75	.15	.05
2433 Salmon Rose ..	.75	.15	.05	2438 Mixed .....	.60	.15	.05

VARIOUS ZINNIAS

2450 Curled and Crested. Large double flowers; petals curiously twisted, curled; mixed colors; 1½ feet	\$0.60	\$0.20	\$0.10
2453 Red Riding Hood. A perfect compact plant, covered the entire season with small, button-like, intense scarlet, double flowers; 1 foot .....	.75	.20	.10
2458 Zebra or Striped. Large double flowers, striped and spotted; 2 feet .....	.75	.20	.10
2462 Imported Collection, 6 dwarf double varieties.....			.25
2464 Imported Collection, 6 tall double varieties.....			.25

Summer Flowering Bulbs and Bulbous Plants

AMARYLLIS

For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years; increasing each year in beauty.

Cultural Directions: Place bulbs, on arrival, in damp moss in temperature of 60° and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

Belladonna. A beautiful bright pink. 15c. each, per doz. \$1.50.

Empress of India (New). A hybrid strain, covering various shades of red, crimson, pink, striped and marked varieties; gigantic flowers, \$1.00 each, doz. \$10.00.

Formosissima. Crimson. 10c. each, per doz. \$1.00.

Hybrids of Vittata. Beautiful species, flowers striped and flaked. 50c. each, per doz. \$5.00.

Johnsoni. A very large crimson sort, striped white. Mammoth bulbs. 50c. each, per doz. \$5.00. Good size bulbs, 35c. each, per doz. \$3.50.

SMALL AMARYLLIS OR ZEPHYRANTHES (Fairy Lily)

These are strictly outdoor flowers but not hardy and must be lifted every fall. The sweet lily-like blossoms appear soon after the bulb is planted in May and continue during the entire season.

	Each	Doz.
Treatea Rosea. Pink flowers	\$0.06	\$0.60
“ Alba. Purest white .....	.06	.60

ACIDANTHERA

A native of South Africa and allied to the Gladiolus, produces graceful flower-sprays from July until September; not hardy.

Bicolor. Creamy white with red blotches in the centre of the flower. 10c. each, per doz. \$1.00, \$7.00 per 100.

CALADIUM ESCULENTUM (Elephant's Ear)

As centre pieces or specimens in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant caladiums outdoors until after May 1st, but to get them in early growth, they may be started in doors.

	Each	Doz.	100	Postage
Monster Bulbs	\$0.30	\$3.25	\$20.00	\$0.15
Mammoth Bulbs .....	.20	2.20	15.00	.10
First Size Bulbs .....	.10	1.10	8.00	.05
Second Size Bulbs .....	.07	.75	5.00	.03



The above illustration was made from an actual photograph of one Monster Caladium Bulb purchased from us



New Tuberous Begonia, Crispa Type

NEW BEGONIA CRISPA

The edge of each flower petal is exquisitely frilled and crested, giving thereby the flower a charming appearance. The above illustration, which was made from an actual bloom, will convey some idea of its beauty. Every one who grows Tuberous Begonias should plant some of this variety.

Mixed Colors. 15c. each, doz. \$1.50, \$10.00 per 100.

Separate Colors. 20c. each, doz. \$2.00 \$15.00 per 100.

BEGONIAS (Tuberous Rooted)

There hardly is a single garden in which there are semi or entirely shaded spots where the average flower will not grow; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. If you have never grown them, try them this year; start your bulbs in March and have flowers in June. Plant bulbs outdoors not before May 1st.

SINGLE VARIETIES

	Each	Doz.	100		Each	Doz.	100
Crimson 10c.	\$1.00	\$6.00		Scarlet .10c.	\$1.00	\$6.00	
Orange .10c.	1.00	6.00		White .10c.	1.00	6.00	
Pink ...10c.	1.00	6.00		Yellow .10c.	1.00	6.00	
Mixed							

DOUBLE VARIETIES

In separate colors as above...	\$0.15	\$1.50	\$10.00
Mixed, all colors .....	.12	1.20	8.50

NAMED VARIETIES

Lafayette. Brilliant crimson...	\$0.20	\$2.00	\$15.00
Graf Zeppelin. Double; vermillion	.15	1.50	11.00
Bertini. Brilliant vermillion; single	.15	1.50	11.00
Cardinal. Rich cardinal red....	.25	2.25	15.00

TUBEROUS BEGONIA PLANTS (Ready in May)

	Each	Doz.	100
Single. Mixed colors.....	\$0.20	\$2.00	\$15.00
Double. “ “ .....	.25	2.50	17.50

Please add 5c. per dozen for mailing Begonias. Single bulbs mailed free.

SUMMER FLOWERING BULBS AND BULBOUS PLANTS



GLOXINIAS

A gorgeous plant either for conservatory or garden. The plants prefer a moist soil and a shady situation. Bulbs may be started as early as January but should not be set outdoors until after May 15th. They can be easily made to bloom in the house as pot plants. Bulbs must be lifted in the fall.

	Each	Doz.	100
Waterloo. Deep purple	\$0.20	\$2.00	\$15.00
Meteor. Carmine, edged white .....	.20	2.00	15.00
Graf Zeppelin. Carmine fringed .....	.20	2.00	15.00
Nixe. White, bordered blue .....	.20	2.00	15.00
Marienthaler Kind. Deep crimson .....	.20	2.00	15.00
Unnamed varieties in the following colors: Red and Scarlet, White, Blue, White Spotted Scarlet, Scarlet Bordered White, Blue Bordered White. 15c. each, per doz. \$1.50, \$10.00 per 100.			
Mixed Colors. 10c. each, per doz. \$1.00, \$6.00 per 100.			

MONTBRETIA

Beautiful flowering hardy bulbs. Very effective in masses.

Crocsmiaeflora Type. Scarlet and yellow.	
" Aurantiaca. Deep golden yellow.	
" Etoile de Feu. Vermilion with yellow centre.	
" Pottsii. Large, orange scarlet.	
" Speciosa. Golden yellow.	
" Rayon d'Or. Light yellow, spotted brown.	

Price of any of the above: 3c. each, doz. 30c., \$2.25 per 100.

ISMENE CALATHINA (Pancratium Lily)

One of the choicest of our summer flowering bulbs, blooming profusely during the entire season, flowers a beautiful waxy white and deliciously fragrant. Bulbs are not hardy and should be removed to the house in October. Large bulbs 15c. each, per doz. \$1.50, \$10.00 per 100.

HYACINTHUS
CANDICANS

A most showy plant attaining a height of 2 feet, with large white bell-shaped flowers. Bulbs should be taken up on the approach of winter. Very effective, when planted in masses. 5c. each, per doz. 50c., \$3.50 per 100.



Ismene (Pancratium)

FANCY LEAVED CALADIUM BULBS

(Ready in March)

Most charming conservatory plants. Being of tropical nature, they like a warm temperature. They do quite well outdoors during the summer, if planted in a sheltered, shaded place. The foliage covers a wide range of colors, and makes a grand display.

Aguape. One of the grandest. Vivid red, transparent.

Alfred Mame. Velvety red. One of the rarest sorts.

Dr. Augusto de Castro. One of the best. Red, white and green.

Hermione. Rosy-Red, ribs bright red, narrow green border.

John Peed. Glowing red centre, narrow green border.

L'Automne. Creamy-white, transparent bluish spots.

Marie Carola (New). Golden green, spotted densely with red, centre suffused with golden yellow.

Marmoratum (Alocasia Puezli). Glaucous green, white spots.

Stephen Girard. Green, marbled white, red ribs. Rare.

Triguara. Entirely red, with bronze reflections, ribs brilliant red.

White Flag. White.

Any of the above named sorts, 25c. each, doz. \$2.50, 100 \$17.50.

Mixed Varieties. 20c. each, doz. \$2.00, \$15.00 per 100.

CALLA LILIES

These types of Callas make very useful summer blooming plants, the spotted variety may be treated somewhat like the white, winter blooming kind; the black requires very little water until fully started.

	Each	Per Doz
Black	\$0.15	\$1.50
Spotted .....	.10	1.00
Yellow (Elliottiana) .....	.25	2.50

CYCAS REVOLUTA (Sago Palm)

These interesting as well as ornamental plants may be grown from the dormant (leafless) trunk or stem with great success. Fine strong, dormant stems, ready about March 1st. 15c. per lb., 5 lbs. for 65c.

LILY OF THE VALLEY

Clumps. For outdoors only. 25c. ea., doz. \$2.50, \$18.00 per 100.

Cold Storage, Michell's Fancy Giant Flowering. The finest procurable. These can be forced into flower in about 22 days; our stock is extra fine. \$3.50 per 100, 250 for \$8.50.

(Cold storage Lily of the Valley, not less than 100 supplied.)

OXALIS (Summer Blooming)

Deppii. White, small flowers. 2c. each, per doz. 15c., \$1.00 per 100.

Lasiandra. Pink flowers. 2c. each, per doz. 15c., \$1.00 per 100.

TUBEROSES

Excelsior Pearl. Pure white. 3c. each, doz. 25c., \$1.50 per 100.

Excelsior Pearl. Mammoth bulbs. 5c. each, doz. 50c., \$3.00 per 100.

Variegated Leaved. White. 5c. each, per doz. 50c., \$3.00 per 100.

Albino. Single white. 5c. each, per doz. 40c., \$2.50 per 100.

JAPANESE FERN BALLS (Dormant)

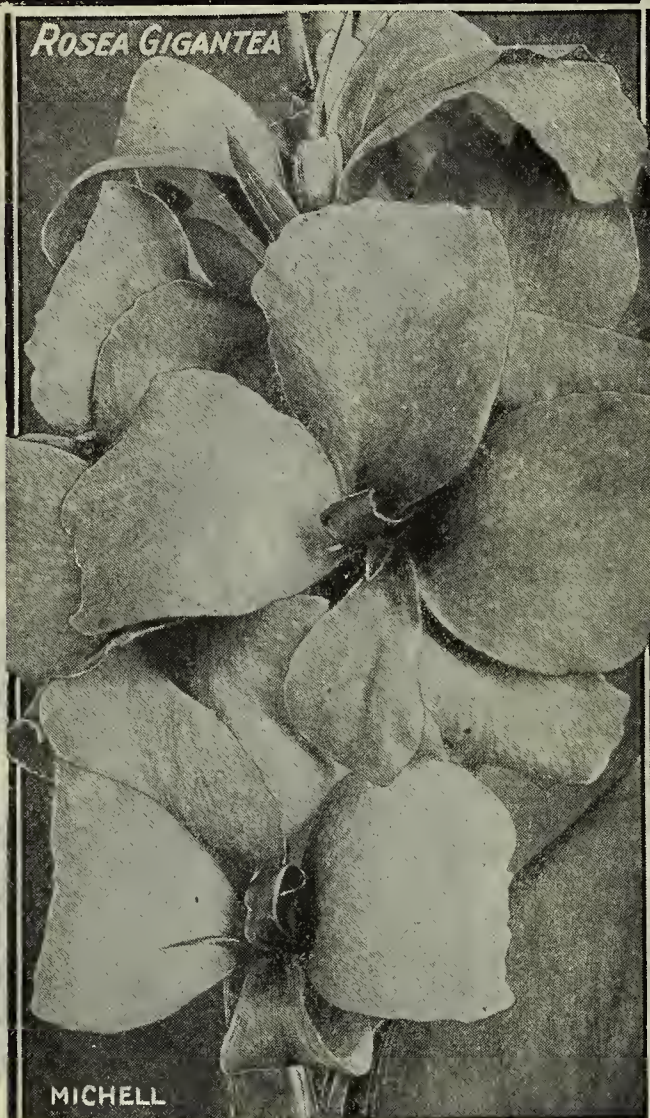
A very attractive novelty. Full cultural directions accompany each ball if asked for. Extra large size, 40c. each, per doz. \$4.00.



Fancy Leaved Caladium

MICHELL'S "DISTINCTIVE" CANNAS

These New Varieties we will furnish in roots as far as possible. When roots are exhausted we will supply plants after May 1st. (at the prices noted)



NEWER VARIETIES

In ordering say if roots or plants are wanted

Pink Beauty of Hungary

The zenith of pink Cannas to-day. Until a few years ago, there were practically no desirable ones in this color. The plant habit is rather dwarf and of compact growth. The magnificent trusses of rich peach blossom pink are the finest imaginable. It is a free, early and continuous bloomer, lasting right up to November in the latitude of Philadelphia. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. A large block of these, growing at our nurseries the past summer, caused great excitement. Everyone, who saw them, stood in bewilderment at their marvelous richness and beauty. The foliage is a rich green and very massive. Our stock is limited and we advise all, who want the finest pink large-flowering Canna in existence, to order at once. **Strong Plants** ready after May 1st. 40c. each; doz., \$4.00; \$30.00 per 100.

Brilliant. Flowers of medium size, borne on solid trusses; the color is a pure golden yellow with two tongue-like petals of fiery red darting from the centre of the bloom; height, 4 feet, with green foliage. **Roots**, 15c. each; doz., \$1.50; \$10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., \$2.00; \$15.00 per 100.

Gustave Gumpfer. A rich golden yellow flower of large size, borne on heavy trusses. It is a distinct shade, and no other variety of this color can be compared with it. Green foliage, height 3½ to 4 feet. **Roots**, 35c. each; doz., \$3.50; \$25.00 per 100. **Strong plants** ready after May 1st.; 40c. each; doz., \$4.00; \$30.00 per 100.

Mrs. Alfred F. Conard. The greatest achievement in the line of cannas of the modern age. The gigantic flowers, which are borne in immense clusters on stalks often 5 and 6 feet tall, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops and which has never before been approached in cannas. The foliage is light green and grows almost to the flower, presenting a splendid contrast. **Roots**, 35c. each; doz., \$3.50; \$25.00 per 100. **Strong Plants** ready after May 1st; 40c. each; doz., \$4.00; \$30.00 per 100.

Comte de Sachs. Clear crimson scarlet with immense trusses, showing well above the green foliage; flowers early; height, 4 feet. **Roots**, each 15c.; doz., \$1.50; \$10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., \$2.00; \$15.00 per 100.

G l a d i o
Flora. Remarkable for the unusual shape of the flowers,

which resemble large gladiolus. Color vivid crimson, changing to carmine pink, with an uneven edge of gold on each petal; foliage green; height 3 feet. **Roots**, each 20c.; doz., \$2.00; \$15.00 per 100. **Strong plants** ready after May 1st. 25c. each; doz., \$2.50; \$17.50 per 100.

Halley's Comet. Like a comet among the stars, this variety outclasses for brilliancy any other canna. The blazing scarlet flower has a pure yellow throat and a narrow margin around each flower petal. The cluster is large and compact and, by the predominance of yellow over the scarlet, one's eye is immediately arrested by a color that will hold the attention of even the person who might not ordinarily care for cannas. **Roots**, 20c. each; doz., \$2.00; \$15.00 per 100. **Strong plants**, ready after May 1st. 25c. each; per dozen, \$2.50; \$17.50 per 100.

Minnehaha. Blossoms are extra large and come in great clusters, petals are long, gracefully curved and have wavy edges. The coloring of this flower is superb, transparent sea shell deepening through shades of cream and gold, to a centre of peach-blow pink; foliage green; height, 4 feet. **Roots**, each 25c.; doz., \$2.50; \$17.50 per 100. **Strong plants**, ready after May 1st; 30c. each; doz. \$3.00; \$20.00 per 100.

Rosea Gigantea. A wonderful novelty, the largest of all cannas in existence; color, a rich rose pink; flowers free, foliage green; height 4 feet. **Roots**, each 20c.; doz., \$2.00; \$15.00 per 100. **Strong plants** ready after May 1st, 25c. each; doz., \$2.50; \$17.50 per 100.

Venus. Rosy pink with a mottled border of creamy yellow; flowers abundantly with heads erect; foliage green; height, 4 feet. **Roots**, 15c. each; doz., \$1.50; \$10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., \$2.00; \$15.00 per 100.

Wawa. A real good pink. The plants are medium dwarf, about 3 feet; flowers in immense clusters over rich green foliage. **Roots**, 15c. each; doz., \$1.50; \$10.00 per 100. **Strong plants**, ready after May 1st, 20c. each; doz., \$2.00; \$15.00 per 100.



New Canna, "Pink Beauty of Hungary"

MICHELL'S SPECIAL COLLECTION OF NEW CANNAS

One root each of the 11 new cannas offered on this page for \$2.25 by express or one plant of each of the 11 new cannas offered on this page, ready after May 1st, for \$2.75 by express. A chance to get the best in cannas at a bargain price.

Cannas are a Distinctive Feature at Michell's "Evergreen" Seed Gardens, Torresdale, Pa.

MICHELL'S "DISTINCTIVE" CANNAS NEW AND STANDARD LARGE- 119 FLOWERING VARIETIES

NOTE.—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of any variety on this page (except where noted). 20c. each; \$1.50 per doz.; per 100, \$10.00. Price of roots (except where noted) 15c. each; per dozen, \$1.25; \$8.00 per 100.



RED AND CRIMSON

Comte de Sachs. Clear crimson scarlet with immense flower trusses. Striking variety; green foliage, 5 feet. Roots, 15c. each; per dozen, \$1.50; \$10.00 per 100.

King Humbert. Truly a king among the cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow canna or *vice versa*, placing it around a centre of a tall yellow variety. Roots 15c. each; doz., \$1.50; \$10.00 per 100. Plants 20c. each; doz., \$2.00; \$15.00 per 100.

	Color of Foliage	Height
Alphonse Bouvier. Rich velvety red	green	6 feet
Brandywine. Very dark foliage, topped with a magnificent display of brilliant red flowers.	bronze	4 "
Crimson Bedder. Dark red, fine shapely flowers in large trusses.	green	4 "
Chas. Henderson. Splendid, handsome trusses of large size. Extremely free-flowering.	green	4 "
Egandale. A splendid bronze-leaved variety, with large cherry red flowers	bronze	4 "
Express. One of the most satisfactory dwarf crimson Cannas. A continuous bloomer.	green	2½ "
Wm. Saunders. Bright scarlet	bronze	4 "
President Meyer. Cherry red, fine truss.	bronze	4 "
Pres. McKinley. Brilliant crimson flowers; beautifully formed	deep green	3 "

CANNAS IN MIXTURE

Mixed Dwarf French. Containing the best sorts only. Each 5c.; 50c. per doz.; per 100, \$3.50.

Tall Sorts Mixed. Elegant varieties are included in this mixture. Each 5c.; 50c. per doz.; per 100, \$3.50.

ORNAMENTAL FOLIAGE CANNAS

Black Beauty (Improved). Effective. The leaves are enormous and of a rich deep bronze purple color. Height 6 ft.

Robusta Perfecta. Immense dark green leaves with small red flowers; height, 7 feet. Each, 8c.; 75c. doz.; 100 \$5.00.

Musafolia. Named by its close resemblance to the old-fashioned Abyssinian Banana (*Musa Ensete*). The red flowers are small; green foliage. A grand variety for background of a border; height, 6 feet.

Price of any Cannas on this page, strong roots (except where noted), 15c. each; per dozen, \$1.25; \$8.00 per 100. After May 1st we supply plants at 20c. each; dozen, \$1.50; \$10.00 per 100, except as noted on page 118.

CLEAR YELLOW

Alsace. Pale sulphur, changing to cream; green.

Austria. A tall-growing variety with gigantic blooms of a satiny texture, pure golden yellow; 6 feet high; foliage green.

Gustave Gumpfer (New). Golden yellow; of very large size; green foliage. Roots, 35c. each; dozen, \$3.00; \$25.00 per 100.

Richard Wallace. A remarkably free bloomer, producing gigantic clusters of light yellow flowers. It stands quite erect, about 4 feet high and is the best yellow canna on our list; green foliage.

PINK

Minnehaha (New). Very light pink, shaded peach. Foliage green; 4 ft. Roots, 25c. each; per dozen, \$2.50; \$17.50 per 100.

Mrs. Alfred F. Conard (New). A beautiful salmon pink. Foliage green; 5 to 6 ft. Roots, 35c. each; \$3.50 per doz.; per 100, \$25.00.

Pink Beauty of Hungaria (New) Rich peach blossom pink. Large trusses. The finest dwarf pink variety. Green foliage. 3 feet. Roots, 35c. each; per doz., \$3.50; \$25.00 per 100.

Rosea Gigantea (New). Rich rose pink; green foliage. Height, 4 ft. Roots, 20c. each; dozen, \$2.00; \$15.00 per 100.

Venus (New). Rosy pink with mottled border of creamy yellow; free bloomer; green foliage. Height, 4 ft. Roots, 15c. each; per dozen, \$1.50; \$10.00 per 100.

Wawa (New) A very soft shade of pink. Foliage green. 3 feet. Roots, 15c. each; per doz., \$1.50; \$10.00 per 100.

	Color of Foliage	Height
Hiawatha. Rich rosy pink	variegated 3 feet
Mad. Berat. Brilliant pink	

BICOLORED

Florence Vaughan. Yellow, spotted crimson....green 5 "

Gladiator. Yellow, spotted red..... 5 "

Italia. Golden blotched crimson, orchid.....green 5 "

Mme. Crozy. Scarlet, bordered yellow.....green 3 "

Niagara. Rich crimson, edged gold.....green 3 "

Queen Charlotte. Crimson, bordered gold.....green 3 "

Brilliant (New) Pure golden yellow, with two tongue-like petals of fiery red. Foliage green; 4 feet. Roots, 15c. each; per dozen, \$1.50; \$10.00 per 100.

Gladio-Flora (New) Resembles a Gladiolus flower. A vivid crimson, changing to carmine pink, edged yellow. Foliage green; 3 feet. Roots, 20c. each; per doz., \$2.00; \$15.00 per 100.

Halley's Comet (New) Blazing scarlet, with a fine yellow throat. Foliage green, height, 4 ft. Roots, 20c. each; per doz., \$2.00; \$15.00 per 100.

120 MICHELL'S SUPERB NEWER DAHLIAS (Plants only)

While we realize that there are far more varieties of Dahlias than what we offer, our effort has been confined to the best sorts which combine fine colorings, largest flowers and free-blooming qualities. We furnish Dahlias in strong roots or tubers, except where plants are mentioned. **The roots are ready from January 1st on until stock is exhausted, after which time we furnish plants at the same price as roots.** Plants do exceedingly well, flowering as early and as freely as roots. Dahlia plants are ready in May, at which time they can be set out up to July.

Alice Roosevelt (H.). Decorative; a beautiful clear ivory white; very early and free-flowering. (Plants.) \$1.00 each.
Ami Nonin (H.). Collarette. Beautiful shading of salmon to pink, collar tinted orange and pink. (Plants.) 60c. each; doz., \$6.00.



H. J. Lovink (H.). Pæony. Pure white shaded lilac. (Plants.) 75c. each; doz., \$7.50.

Ideal (H.). Collarette. Rich cardinal red, with a yellow collar. (Plants.) 60c. each; doz., \$6.00.

Johannesburg (H.). Cactus. A gigantic flower, being a real monster in size; bright gold, which when shown in the sunlight, has a glittering sheen. (Plants.) \$1.00 each.

Madame Hein. Furtado (H.). Show. The finest and largest pure white. (Plants.) 30c. each; doz., \$3.00.

Mad. Helen Charvet (H.). Decorative. Very large, pure white, resembling in texture a gardenia. (Plants.) 40c. each; doz., \$4.00.

Mont Blanc (H.). Decorative. One of the largest and finest whites, of a cream shade, with broad flat petals. (Plants.) 50c. each; doz., \$5.00.

Marguerite Bouchon (H.). Cactus. A beautiful shade of light pink; the largest pink cactus dahlia in existence. (Plants.) 60c. each; doz., \$6.00.

Pride of Andalusia (A.). Semi-decorative. A bright canary-yellow, with a full centre; when entirely open this is a mammoth flower (see front cover). (Plants.) 50c. each; doz., \$5.00.

Success (A.). Cactus. Of a light canary-yellow, with fine needlelike petals. It is an early and free bloomer and will give splendid satisfaction. (Plants.) 25c. each; doz., \$2.50.

W. W. Rawson (H.). Show. A gigantic flower; white ground; blushed amethyst blue; a fine novelty. (Plants.) 40c. each; doz., \$4.00.

Andrew Carnegie (H.). Pæony. Salmon pink with bronze shadings. (Plants.) 40c. each; doz., \$4.00.

Autumn Glory (W. & N.). Rich terra cotta, with a lustrous golden centre, a variety that is well adapted to the fall season, an unusually fine variety on long stems. 50c. each; doz., \$5.00.

Beloit (H.). Decorative. Of large size, splendid form and of a rich purplish garnet color. (Plants.) 40c. each; doz., \$4.00.

Bertha von Suttner (H.). Pæony. Very large, salmon pink, shaded yellow. (Plants.) 40c. each; doz., \$4.00.

Caesar (H.). Pæony. Clear buttercup yellow; very fine. (Plants.) 60c. each; doz., \$6.00.

Debutante (H.). Cactus. A grand variety for exhibition, with narrow petals which are claw shaped; the color is a soft pink, the upper portion of the petal being almost pure white. (Plants.) 50c. each; doz., \$5.00.

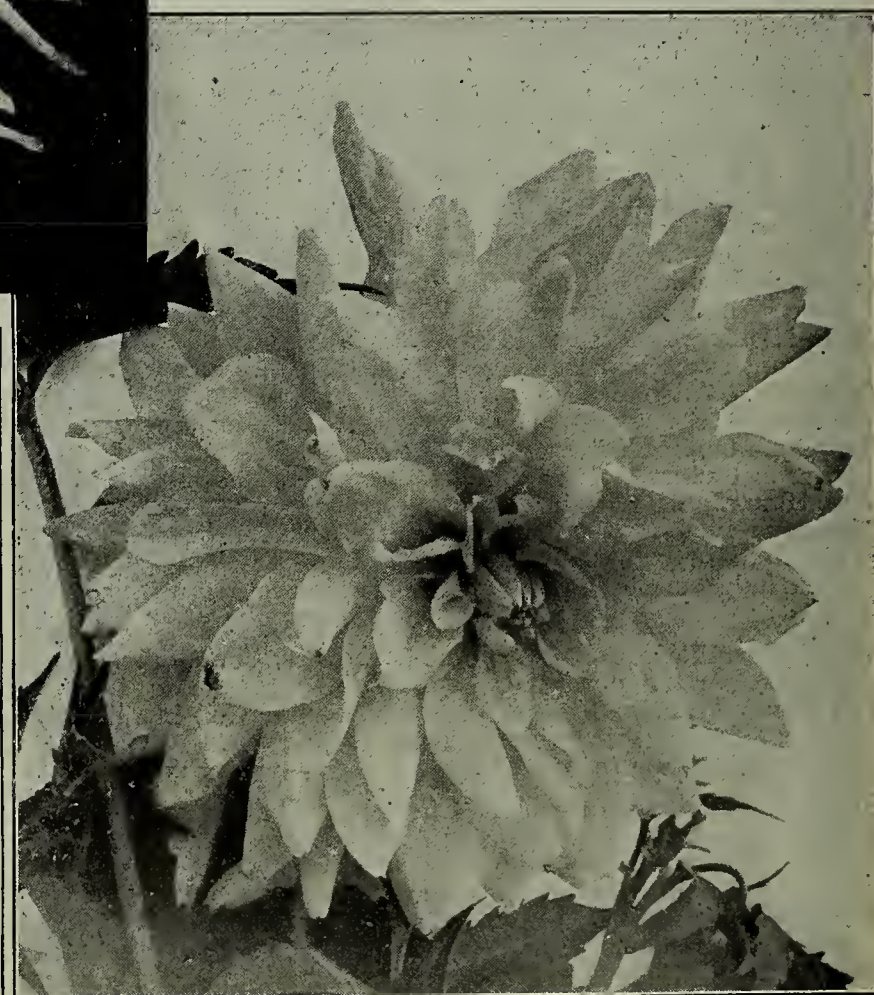
Delicatissima (H.). Cactus. Perfectly formed and one of the most delicately colored varieties being a hydrangea pink. (Plants.) 30c. each; doz., \$3.00.

Dr. Peary (H.). Pæony. Of dark velvety mahogany texture. (Plants.) 60c. each; doz., \$6.00.

Geisha (H.). Pæony. A rich combination of scarlet and gold, indeed one of the oddest and most beautiful dahlias in cultivation. (Plants.) 40c. each; doz., \$4.00.

Golden West (H.). Decorative. Large, well-formed flowers of a pleasing canary-yellow shade; a grand variety. (Plants.) 50c. each; doz., \$5.00.

Gwendoline Tucker (H.). Cactus. Flowers of enormous size, with gracefully incurved petals; the color is a flesh pink shaded white toward the centre. (Plants.) 50c. each; doz., \$5.00.



Decorative Dahlia Golden West

Get our special descriptive **Catalog** and Price List on **Dahlias, Gladiolus and Cannas** (mailed free).

*Kaiserin Augusta Victoria*

Red, Scarlet and Crimson Decorative Dahlias

- Augusta Nonin** (H.). A large superb clear scarlet flower, on long stems. 20c. each; doz., \$2.00.
- Blue Oban** (H.). Dark reddish purple; one of the finest.
- Catharine Duer** (H.). Bright iridescent crimson scarlet. Very large.
- Cuban Giant**. Dark glowing crimson and immense flower.
- F. L. Basset**. Bright purplish crimson shaded blue.
- Governor Wilson**. One of the finest in this class; bright glowing cardinal red; large flowers and profuse bloomer. 30c. each; doz., \$3.00.
- Jack Rose** (H.). Rich crimson, large full flower, very prolific.
- John Elitch** (H.). A very large flower, deep crimson.
- Le Colosse** (H.). Gigantic size, bright cerise flowers; free and early. 40c. each; doz., \$4.00.
- Lyndhurst** (H.). Bright scarlet, large full flower.
- Maid of Kent** (H.). Cherry red, tipped white, at times all red.
- Monsieur Hoste** (H.). Carmine, suffused vermilion; large blooms. 30c. each; doz., \$3.00.
- Papa Charmet** (H.). Coral red, overlaid maroon; large open flowers. 50c. each; doz., \$5.00.
- Souvenir de Gustave Douzan** (H.). Largest decorative Dahlia, measuring often 8 inches in diameter. Color is a beautiful red.
- William Agnew** (H.). Glistening scarlet crimson, very large.
- Zulu** (H.). Dark maroon, almost black.

Pink Decorative Dahlias

- Delice** (H.). Soft rosy pink, of beautiful form; large flower. 25c. each; doz., \$2.50.
- Dr. Gates** (H.). An exceptionally fine clear pink, one of the newer kinds. 20c. each; doz., \$2.00.
- Eureka** (H.). Deep clear rose, edged lighter pink.
- La France** (H.). Brilliant rose pink, like the famous rose that bears its name.
- Jeanne Charmet** (H.). An improved Vanden Dael, with broad petaled open flowers. Bright pink, edged crimson. 20c. each; doz., \$2.00.
- Lucie Fevrier** (H.). A rich shade of rose pink, very showy. 35c. each; doz., \$3.50.
- Madame Vanden Dael** (H.). Shell pink, shaded deep rose. Very large flower. 25c. each; doz., \$2.50.

Pink Decorative Dahlias (Continued)

- Miss Nellie Stewart** (H.). Long stem; pink flower; light centre.
- Nymphaea** (H.). Light pink, white towards centre.
- Salmon Queen** (H.). Very large flowers, soft shade of salmon.
- Sylvia** (H.). White shaded soft pink toward centre, a pretty combination.
- Virginia Maule** (H.). Large flower; delicate pink with a white centre. 25c. each; doz., \$2.00.

White Decorative Dahlias

- Flora** (H.). Very large, narrow-petaled flowers; pure white. 20c. each; doz., \$2.00.
- Henry Patrick** (H.). Superb pure white of largest size.
- Kaiserin Augusta Victoria** (H.). Large pure white flowers. The earliest and best white decorative Dahlia. Of dwarf habit. Very profuse bloomer. 20c. each; doz., \$2.00.
- Le Grand Manitou** (H.). White ground, striped, spotted and blotched reddish violet. One of the largest Dahlias in existence. 35c. each; doz., \$3.50.
- Mme. A. Lumiere** (H.). Pure white, violet red tips; very distinct. 25c. each; doz., \$2.50.
- Mme. Helen Charvet** (H.). Pure waxy white; large open flower. One of the best whites. (Plants.) 40c. each; doz., \$4.00.
- Perle d'Or** (H.). Exquisite pure white, very large.
- Perle de Lyon** (H.). A very free bloomer, clear white with cleft petals. 25c. each; doz., \$2.50.
- Princess Julianne** (H.). Pure white; very fine form; long flower stems. 50c. each; doz., \$5.00.

Yellow Decorative Dahlias

- Clifford W. Bruton** (H.). Rich golden yellow; one of the best.
- Etoile Roannaise** (H.). Orange yellow, splashed scarlet. A brilliant combination. 25c. each; doz., \$2.50.
- Golden Wedding**. A very large, clear yellow; large flowers with long stems. 20c. each; doz., \$2.00.
- Golden West** (H.). The finest decorative yellow Dahlia in cultivation to-day. A bright canary yellow; perfectly double and a perfect form. Flowers are large and pleasing in every way. (Plants.) 50c. each; doz., \$5.00.
- Madame Victor Vassier** (H.). The clearest and purest of all yellow; a clear sulphur shade. 30c. each; doz., \$3.00.
- Miss Minnie McCullough** (H.). Superb soft yellow, overlaid bronze.
- Mrs. Chas. Turner** (H.). Pure yellow; flowers of an immense size and perfect form.
- Orange King** (H.). Rich glowing orange.
- Pride of Andalusia** (New). Plants only (see page 120). 50c. each; doz., \$5.00.
- Professor Mansfield** (H.). Golden yellow, tipped red. Flowers often 6 inches in diameter. 20c. each; doz., \$2.00.
- Yellow Colosse** (H.). Handsome pure yellow. A free and early bloomer. 20c. each; doz., \$2.00.
- Yellow Duke** (H.). Pure canary yellow, of an enormous size, measuring from 6 to 7 inches in diameter. 20c. each; doz., \$2.50.

Price of any Dahlias on this page (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

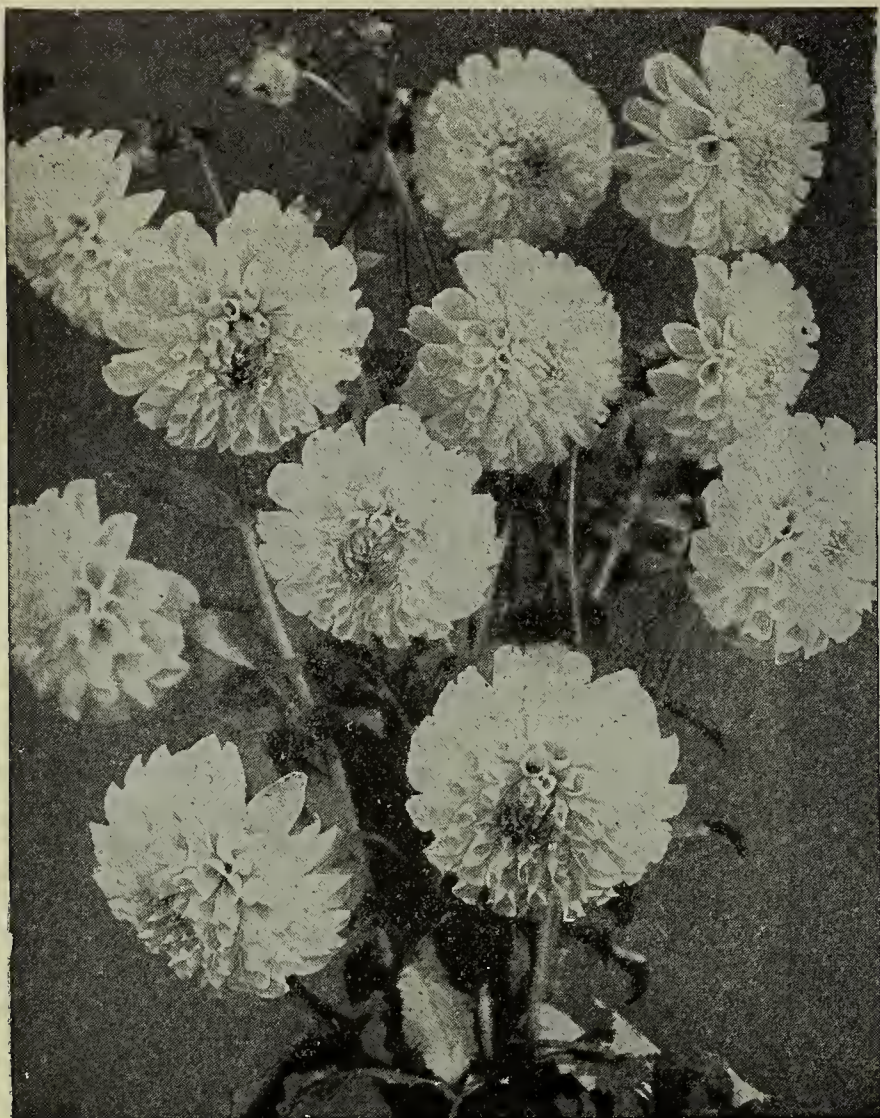
CANNAS, DAHLIAS AND GLADIOLUS

is the title of a booklet we have issued, covering the culture of the above popular subjects; mailed free or included with orders if asked for.

NOTICE

It sometimes occurs as the season advances that we are not able to deliver field roots, in which cases we send out strong thrifty plants at the same price. These give equally good results, blooming the same season. Dahlia Plants ready in May.

MICHELL'S GIANT FLOWERING DOUBLE DAHLIAS



Show Double Dahlia Mrs. Roosevelt

Red, Scarlet and Crimson Double Dahlias

- A. Pfefferhorn** (H.). Rich rosy crimson.
Black Diamond (H.). Rich velvety maroon, shaded black.
Bon Ton (H.). Deep rich garnet in full perfect form.
Cherub (H.). A fine rich shade of amber.
Crimson Globe (H.). Beautiful shade of rich crimson.
Diadem (H.). Very dark rich crimson.
Hero (H.). Deep crimson maroon, shaded purple.
Jamaica (H.). Royal purple, shaded dark maroon; large flower.
Maid of Kent (H.). Cherry red, tipped white.
Paul's Scarlet (H.). Very bright fiery scarlet.
Prince Bismarck (H.). Rich purple; handsome large flowers.
Red Hussar (H.). Bright red; very showy and free flowering.
Ruby Queen (H.). Ruby red, richly shaded; large flowers.
Warrior (H.). Intense scarlet; flowers very large and long-stemmed; fine for cutting.
Willie Garrett (H.). Rich crimson scarlet, profuse bloomer.

Pink Double Dahlias

- A. D. Livoni** (H.). Beautiful clear pink; very free flowering.
Caleb Powers (H.). Petals of a delicate pink with a white centre. Large perfect blooms. 35c. each; doz., \$3.50.
Dorothy Peacock (H.). Delicate rose pink, with a full white centre. One of the very best of the newer sorts. 35c. each; doz., \$3.50.
Eloise (H.). A variation of white and pink, margined crimson.
Miss May Lomas (H.). Delicate white suffused soft pink.
Mme. Alfred Moreau (H.). Pure mauve pink. One of the finest. 20c. each; doz., \$2.00.
Modesty (H.). Delicate blush white and pink.
Mrs. J. Gardner Cassatt (H.). Deep rose pink. One of the finest ever introduced. 25c. each; doz., \$2.50.

NOTICE

It sometimes occurs as the season advances that we are not able to deliver field roots, in which cases we send out strong thrifty plants at the same price. These give equally good results, blooming the same season.

PINK VARIETIES (Continued)

- Mrs. Langtry** (H.). Combination of peach pink, crimson and purple.
Mrs. Roosevelt (H.). Beautiful light pink, shaded white towards centre. One of the most popular Dahlias ever introduced. Nothing has been found to take its place. 30c. each; doz., \$3.00.
Progress (H.). Clear soft pink, penciled and spotted crimson. A fine large flower.
Susan (H.). Delicate shell pink, remarkable free bloomer. (Plants.) 20c. each; doz., \$2.00.

White Double Dahlias

- Dreer's White** (H.). Very large. A beautiful form. Pure white. 25c. each; doz., \$2.50.
Grand Duke Alexis (H.). Very large and pure white, tinted lavender.
John Walker (H.). Large flowers of pure white. 20c. each; doz., \$2.00.
Mad. Heinr. Furtado (H.). One of the best pure white sorts, being unusually fine. (Plants.) 30c. each; doz., \$3.00.
Miss Alice King (H.). Exquisite ivory white, shaded rose.
Penelope (H.). Very large white, with lavender blotches.
Princess Bonnie (H.). Very large, of purest white.
Storm King (H.). Of compact growth of large pure white flowers. One of the best. 20c. each; doz., \$2.00.
White Swan (H.). Large long-stemmed pure white flowers.
W. W. Rawson (H.). A gigantic flower. White ground, blushed amethyst-blue. (Plants.) 40c. each; doz., \$4.00.

Yellow Double Dahlias

- Arabella** (H.). Pale primrose, tipped and shaded rose and lavender.
Chas. Lanier (H.). Very large. Amber, shaded buff. One of the freest bloomers. 25c. each; doz., \$2.50.
Duchess of York (H.). Lemon yellow, tipped pink.
Gold Medal. Bright canary yellow, marked with splashes of red. 25c. each; doz., \$2.50.
Lemon Beauty (H.). A beautiful soft shade of lemon yellow.
Lucy Fawcett (H.). Sulphur yellow, striped carmine rose. Most attractive combination. 20c. each; doz., \$2.00.
Mrs. Dexter (H.). Very large flower of rich salmon shade.
Orange King (H.). Brilliant orange scarlet. A handsome flower.
Princess Victoria (H.). Rich canary yellow; a free bloomer on long stems. 20c. each; doz., \$2.00.



Show Dahlia Gold Medal

Price of any Dahlias on this page (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

Our New Catalog on Dahlias, Cannas and Gladiolus is free. Call or write for a copy.

The Roots of Dahlias are ready from January 1st on until stock is exhausted, after which time we furnish plants at the same price as roots. Plants do exceedingly well, flowering as early and as freely as roots. Dahlia plants are ready in May, at which time they can be set out up to July.



Cactus Dahlia Pink Pearl

Red, Scarlet and Crimson Varieties

- Atlanta** (H.). Large, bright rich red, shaded dark.
Burbank (H.). Very rich, brilliant, dazzling red.
Floradora (H.). Distinct blood red; very free flowering.
General Buller. Rich velvety crimson, tipped white.
Great Western (H.). Gigantic flowers. Bright purplish crimson. 35c. each; doz., \$3.50.
H. W. Sillem (H.). Vermilion scarlet; long petals.
J. H. Jackson (H.). Rich velvety maroon; very large flowering.
Leuchtfeuer (H.). Brilliant blood red, with a deeper shade in it.
Libelle (H.). Purplish red with gigantic flowers of a distinct form. 20c. each; doz., \$2.00.
Master Carl (H.). Rich bright amber red. 20c. each; doz., \$2.00.
Mrs. F. Grinstead (H.). Deep rich crimson, suffused purple; large incurved flowers of fine form. 30c. each; doz., \$3.00.
Mrs. H. J. Jones (H.). Brilliant scarlet, edged blush white. 20c. each; doz., \$2.00.
Mrs. Walter Baxter (H.). Rich crimson, shaded magenta; a splendid exhibition sort. 20c. each; doz., \$2.00.
Rene Cayeux (H.). Rich glowing red, very free bloomer. 35c. each; doz., \$3.50.
Standard Bearer (H.). Rich fiery scarlet, free bloomer.
Strahlen Krone (H.). Intense cardinal red, rich and glowing.
Uncle Tom (H.). Color jet black, passing to maroon.

Pink Varieties

- Arthur Pickard** (H.). Delicate pinkish salmon with lighter tips and base. 50c. each; doz., \$5.00.
Aschenbroedel (H.). The combination of rich rose and gold. 20c. each; doz., \$2.00.
Aurora (H.). Reddish apricot, suffused flesh pink, slightly tinged yellow. 25c. each; doz., \$2.50.
Brittania (H.). A deep shade of salmon pink.
C. E. Wilkins (H.). An exquisite shade of bright salmon pink. A prize winner. 35c. each; doz., \$3.50.
Clara J. Stredwick. Very large, salmon pink, shaded darker.
Countess of Lonsdale. Very profuse bloomer, rich salmon pink.
Countess of Malmesbury (H.). Delicate peach color pink; free flowering. 20c. each; doz., \$2.00.
Ethel Yeatman (H.). A distinct shade of shell pink, with a salmon centre; gigantic flowers. 50c. each; doz., \$5.00.
Kriemhilde. Delicate soft pink with white centre.

Pink Varieties (Continued)

- Lovely** (H.). Violet rose, with creamy white shadings. 25c. each; doz., \$2.50.
Mme. Henry Cayeux (H.). The very finest pure pink cactus variety in existence. 60c. each; doz., \$6.00.
Mrs. James Mace (H.). Very light, shaded white; large flower.
Pink Pearl (H.). Delicate pink, suffused white in centre.
Queen Alexandra (H.). Salmon, suffused pink.
Rosa Superba (H.). An exquisite shade of soft pink.
Ruth Forbes (H.). A massive flower; a beautiful clear pink. 20c. each; doz., \$2.00.
Victor von Scheffel (H.). Delicate pink, shaded rose.

White Varieties

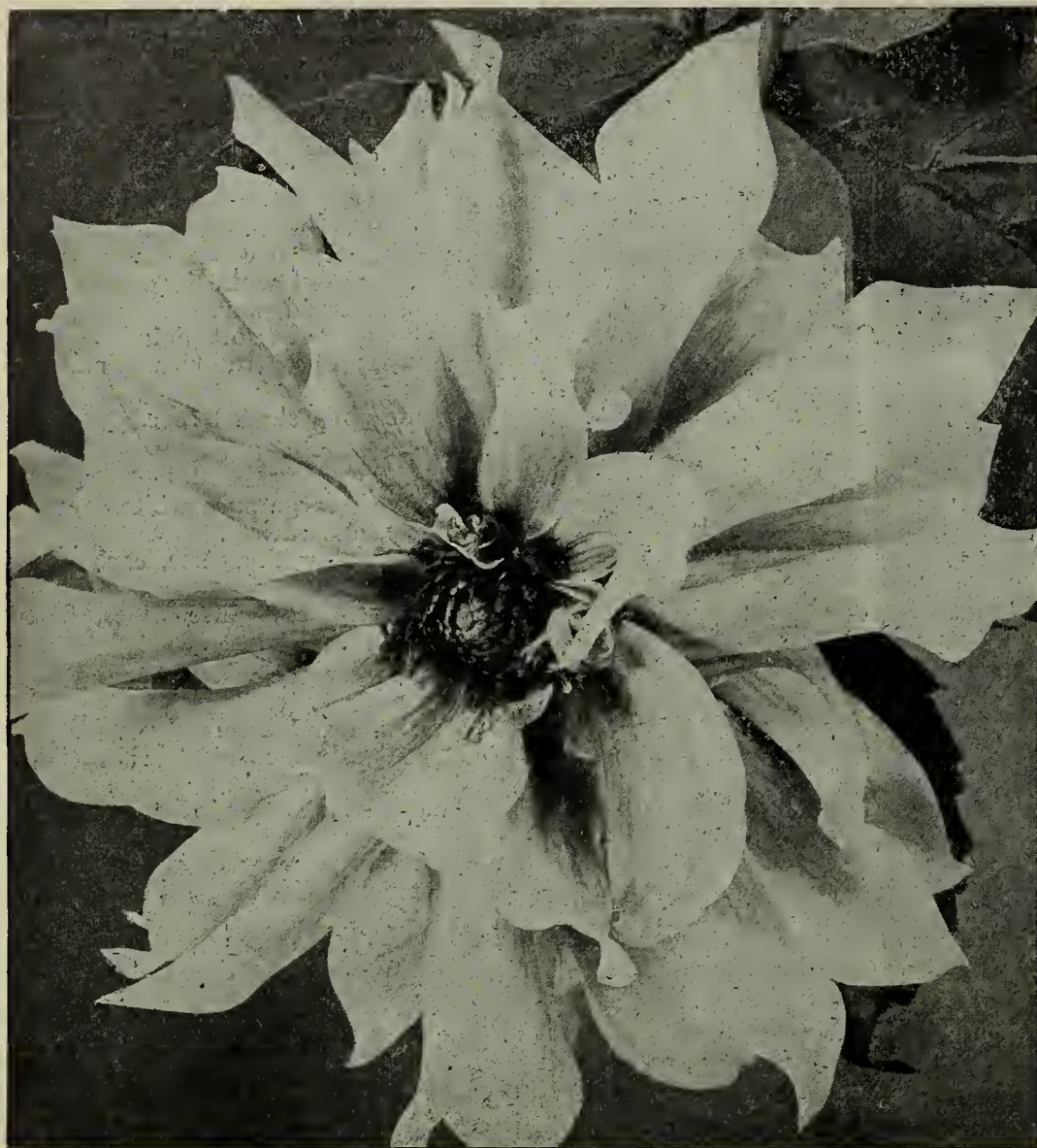
- Florence M. Stredwick** (H.). A very large pure white.
Keynes White (H.). An exquisite, fine variety.
Pius X (H.). Very large with a sulphur tint. 20c. each; doz., \$2.00.
Perle de Lyon (H.). Of finest form, soft pure white, fluted petals. 25c. each; doz., \$2.50.
Rhein König (H.). Glistening snowy white with flowers 5 to 6 inches in diameter. 25c. each; doz., \$2.50.
Siegfried (H.). A fine form, twisted and incurved petals.
Snowstorm (H.). A fine form, slightly incurved. Pure white. 50c. each; doz., \$5.00.
Spotless Queen (H.). Well named by reason of its exquisite pure white shade.
Venus (H.). A dwarf miniature variety, very free.
Winsome (H.). One of the best white Cactus Dahlias.

Yellow Varieties

- Amber Queen** (H.). Rich deep amber, large heavy flower with a trace of scarlet. 20c. each; doz., \$2.00.
Cockatoo (H.). Lemon yellow, shaded rose, white centre, sometimes entirely yellow. 20c. each; doz., \$2.00.
Country Girl (H.). Golden yellow, suffused salmon pink. Very large. 20c. each; doz., \$2.00.
Dainty (H.). Yellow, suffused pink, tipped gold. 20c. each; doz., \$2.00.
Dawn (H.). Bright yellow at the base, gradually changing to cerise with light yellow tips. 50c. each; doz., \$5.00.
Dr. Roy Appleton (H.) (New). Light lemon yellow shaded to light salmon; one of the finest ever. \$1.00 each.
Goliath (H.). Yellow, tinted reddish salmon; very large. 25c. each; doz., \$2.50.
Johannesburg (H.). A giant flower; bright yellow, turning to gold. (Plants.) \$1.00 each.
Lyric (H.). Fine yellow, shaded bronzy red.
Mrs. Clinton (H.). Deep salmon, shaded red towards centre. 20c. each; doz., \$2.00.
Mrs. De Luca (H.). Golden yellow, tipped orange, very free. 20c. each; doz., \$2.00.
Mrs. Edward Mawley (H.). Pale lemon yellow, very delicate.
Mrs. J. J. Crowe (H.). Clear canary yellow; very fine.
New York (H.) (New). The term massive is not too strong to describe it; orange yellow shaded bronzy salmon. 60c. each; doz., \$6.00.
Osprey (H.). Yellow, striped scarlet.
Prince of Orange (H.). Orange, shaded darker.
Prince of Yellows. Rich shade of canary yellow.
William F. Balding (H.). Orange red, shaded yellow.
Success (A.) (New). Plants, 25c. each; doz., \$2.50. (See page 120.)
Price of any Dahlias on this page (except where noted), 15c. each; doz., \$1.50; \$10.00 per 100.

CANNAS, DAHLIAS AND GLADIOLUS

Is the title of a book we have issued. It contains an interesting story of each and in addition most comprehensive cultural directions. This book is free for the asking.



Paeony-Flowered Dahlia Bertha Von Suttner

Red, Scarlet and Crimson Paeony Dahlias

- Cleopatra** (H.). Oriental red, with yellow base.
Dr. Peary (H.). The finest of the dark-colored sorts. A rich velvety mahogany. (Plants.) 60c. each; doz., \$6.00.
Duke Henry (H.). Brilliant crimson.
Geisha (H.). A most wonderful combination of rich red and yellow, producing an enormous flower. (Plants.) 40c. each; doz., \$4.00.
Germania (H.). Bright crimson. 15c. each; doz., \$1.50.
Herzog Heinrich (H.). Beautiful light red.
King Edward (H.). Rich purplish red; very large. (Plants.) 30c. each; doz., \$3.00.
Mannheim (H.). A soft shade of orange red.
Paul Kruger (H.). Red, suffused with white; very fine.
Solfatare (H.). Carmine red with a yellow centre. Exceedingly brilliant.

Pink Paeony Dahlias

- Andrew Carnegie** (H.). Salmon pink, shaded bronze; looks like a giant sunflower. (Plants.) 40c. each; doz., \$4.00.
Bertha von Suttner. Mammoth flowers, stout stems, delicate salmon color with a touch of yellow. (Plants.) 40c. each; doz., \$4.00.
Glory of Baarn (H.). Soft pink, very large blooms, often measuring 7 inches.
H. Hornswelt (H.). A fine shade of salmon pink. One of the best of the Paeony Dahlias. (Plants.) 50c. each; doz., \$5.00.
La Riente (H.). A fine rich pink variety. (Plants.)
Miss Gladys Dawson (H.). Soft salmon rose.
Queen Emma (H.). Soft rose pink; very delicate.

Price of any of the Paeony-flowered Dahlias on this page in strong roots (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.

White Paeony Dahlias

- Cecilie** (H.). Very large, creamy white; fine for cutting. (Plants.) 60c. each; doz., \$6.00.
H. J. Lovink (H.). White, shaded lilac, of enormous size. (Plants.) 75c. each; doz., \$7.50.
King Leopold (H.). Fine creamy white; large.
Queen Wilhelmina (H.). Large flower, pure white.
Schneewittchen (H.). The very finest of the pure white, Paeony-flowered type. (Plants.) 30c. each; doz., \$3.00.

Yellow Paeony Dahlias

- Caesar** (H.). Beautiful flower of enormous size. Clear canary-yellow. (Plants.) 60c. each; doz., \$6.00.
Glory of Groenekan (H.). A handsome shade of rich orange yellow.
Hugo de Vries (H.). Handsome combination of orange and brown, resulting in a beautiful flower.
P. W. Jansson (H.). Rich orange yellow, of a pleasing shade. 30c. each; doz., \$3.00.

Price of any of the Paeony-flowered Dahlias on this page in strong roots (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.



Pompon Dahlia Philip Freud

Pompon Dahlias

- These are a miniature Double or Show Type. For dinner table decoration, design work or bedding, they are unusually attractive.
Alewine (H.). White, flushed pink, fine variety.
Allie Mourey (H.). Light pink, tipped deep pink.
Daybreak (H.). One of the best of the Pompon varieties. A soft delicate pink color.
Fairy Queen (H.). Sulphur yellow, edged deep pink.
Guiding Star (H.). The best pure white Pompon.
Klein Domitea (H.). Salmon-buff; very profuse bloomer.
Little Herman (H.). Deep red, tipped white; splendid variety.
Philip Freud (H.). Rich orange salmon. Of perfect form.
Snowclad (H.). One of the best; perfect form; pure white.
Sunshine. Brilliant scarlet, fine form.

Price of any of the above Pompon Dahlias, 15c. each; doz., \$1.50; \$10.00 per 100.

Special Note

We have compiled an illustrated descriptive catalog on Dahlias, Cannas and Gladiolus.

Write or call for a free copy.

Giant Single Dahlias

The varieties offered below are the best of this class. They are especially fine for cut flowers; profuse bloomers and of fine form and brilliant colors.

Alba Superba (H.). Very large, the best pure white.

Jack (H.). Fiery scarlet, base of petals being overlaid with golden yellow broad recurved petals; a prolific bloomer.

Mary (H.). Clear soft pink, beautiful form.

Twilight (H.). Soft lavender shade rich rose pink.

Big Chief (H.). Of enormous size; crimson, margined maroon.

Blackbird (H.). Black velvety maroon with a bright red spot at the base of each petal; fine for massing.

Gaillardia (H.). Golden yellow with a broad band of red around a yellow centre.

St. George (H.). Very large, pure yellow. The best yellow of its class.

Wildfire (H.). Intense brilliant scarlet; fine form and profuse bloomer.

Price of any of the above Single Dahlias, in strong roots, 15c. each; doz., \$1.50.

Century Dahlias

This comparatively new class of single Dahlias has quickly become a general favorite. Owing to their immense size and beautiful colors and shades, they are invaluable for cutting. The flowers often measure 6 inches in diameter and are borne on long stems.

Crimson Century (H.). Deep glowing crimson, tipped rose, with pink centre. 15c. each; doz., \$1.50.

Eckford Century (H.). Pure white, spotted, penciled and splashed crimson. 40c. each; doz., \$4.00.

Fringed Century (H.). Bright rosy crimson, with fringed petals. 25c. each; doz., \$2.50.

Fringed Maroon Century (H.). Dark velvety maroon, with divided petals. 25c. each; doz., \$2.50.

Gorgeous (H.). Brilliant dazzling scarlet with an occasional white stripe or a pure white petal. 15c. each; doz., \$1.50.

Merry Widow (H.). A profuse bloomer. Deep scarlet. Very striking. 25c. each; doz., \$2.50.

Pink Century (H.). Clear shell pink, suffused rose. 20c. each; doz., \$2.00.

Rose Pink Century (H.). Enormous flower, very deep pink. 25c. each; doz., \$2.50.

Souvenir de Franz Liszt (H.). Deep rich garnet. Very large flower. 15c. each; doz., \$1.50.

Spanish Century (P.). Pure yellow, splashed and striped scarlet. 40c. each; doz., \$4.00.

Twentieth Century (H.). Rosy crimson, shaded white. Towards end of the season is almost pure white, with a pink shading. 15c. each; doz., \$1.50.



Collarette Dahlia

Collarette Dahlias

This beautiful type of Dahlia is rapidly becoming popular. It resembles the large single type and has in addition a distinct row of shorter petals around the centre. Blooms very freely.

Albert Maumene (H.). A beautiful shade of light pink, with a white and pink collar. Of very erect growth. 75c. each; doz., \$7.50.

Director Rene Gerard (H.). Creamy white, suffused purple; collar creamy white; flowers very large. 50c. each; doz., \$5.00.

Exposition de Lyon (H.). Rich garnet; collar white striped and splashed crimson. 20c. each; doz., \$2.00.

Henri Farman (H.). Brilliant cardinal red, at times edged creamy yellow, with a light cast around a golden centre; collar creamy yellow. 60c. each; doz., \$6.00.

Maurice Rivoire (H.). Blood red, darker towards centre. Collar white and fringed. 15c. each; doz., \$1.50.

Mme. E. Poirer (H.). Deep purple, suffused lighter, which give a violet blue effect; white collar. 60c. each; doz., \$6.00.

Mme. Gyax (H.). Bright cochineal red, with yellow tips. Long petaled collar of a primrose yellow shade. 35c. each; doz., \$3.50.

Mons. Louis Ferard (H.). Deep claret, edged, tipped and blotched white. Collar of same color and with very long petals. 50c. each; doz., \$5.00.

Signorina Rosa Esingrini (H.). Brilliant deep scarlet, suffused crimson. Yellow collar splashed red. A gorgeous flower. 50c. each; doz., \$5.00.

Souvenir de Chavanne (H.). Golden yellow, suffused brilliant scarlet. Yellow collar, tipped creamy white. 35c. each; doz., \$3.50.

Unnamed Dahlias

	Each	Doz.	100
Double White	\$0.12	\$1.25	\$9.00
" Red .....	.12	1.25	9.00
" Yellow .....	.12	1.25	9.00
" Mixed, all colors.....	.10	1.00	7.50
" Pink .....	.12	1.25	9.00
Single Mixed, all colors.....	.10	1.00	7.00

GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. This book is a separate edition from our Dahlia Catalogue. Free for the asking.

NOTICE

It sometimes occurs as the season advances that we are not able to deliver field roots, in which cases we send out strong thrifty plants at the same price. These give equally good results, blooming the same season.



Twentieth Century Dahlia

Complete Descriptive Catalogue on Dahlias, Cannas and Gladiolus free on application.

MICHELL'S SUPERB GLADIOLUS (Bulbs)

What a wonderful stride this flower has made during recent years. Its popularity to-day is exceeded by few other flowers and it has by no means reached its limit. And there are good reasons for this popularity. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

GOLD MEDAL STRAIN MIXTURES

This strain which is offered in mixtures of distinct shades originated with the celebrated Gladiolus Specialist, Mr. Groff, who after careful reselection considers what is offered as the Gold Medal Strain, the very cream of all his collection. In order to distinguish between the Gold and Silver Trophy Strain, we wish to state that the selection has been made along these lines, larger flowers, rarer colors, ideal stems and types of extended flowering period. These are equal to the best named varieties, but simply have never been christened.

Section 1. All shades and combinations of red, scarlet and crimson. Each 15c.; \$1.25 per doz.; \$8.00 per 100, by express collect.

Section 2. Contains all the finest shades of yellow, delicate pink, rose and white. Each 20c.; \$1.75 per doz.; \$12.00 per 100, by express collect.

Section 3. This embraces all the shades of blue, heliotrope, mauve, lilac, and similar colors. (No smoky or slate blues.) Each 25c.; \$2.25 per doz.; \$15.00 per 100 by express collect.

SILVER TROPHY STRAIN MIXTURES

Before the Gold Medal strain (mentioned above) was known, the mixtures under the title of Silver Trophy, were the choicest assortment of the same specialist. It constitutes to-day a very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades of the same character.

Section 1. This embraces all the shades of scarlet, red and crimson, care being taken to eliminate the objectionable ones. 5c. each; per doz., 40c.; \$2.75 per 100.

Section 2. The cream of all the yellow, pink, white and light shaded colors. 8c. each; per doz., 75c.; \$5.00 per 100.

Section 3. Lilac, heliotrope, violet and all the shades of light and dark blue compose this selection. The colors are most exquisite. 8c. each; per doz., 80c.; \$6.00 per 100.

MICHELL'S MIXTURES OF GLADIOLUS

Giant Flowering Strain (see illustration). Every bulb for this mixture has been selected with utmost care for coloring, size of flower and purity, no other mixture can boast of such careful selection. It is principally grown on our own grounds. 5c. each; per doz., 50c.; \$3.50 per 100; \$30.00 per 1000.

	Each	Doz.	100	1000
Groff's New Hybrids. Extra fine	\$0.04	\$0.30	\$2.00	\$18.00
Lemoines Butterfly. Brilliant varieties.....	.04	.30	2.00	17.00
Childsii. A distinct mammoth type .....	.05	.50	2.75	25.00
Extra Choice. All colors mixed .....	.03	.30	1.50	12.00

UNNAMED GLADIOLUS (In Separate Colors)

	Each	Doz.	100	1000
White and Light Shades	\$0.04	\$0.35	\$2.50	\$20.00
Yellow in all Shades .....	.06	.65	4.50	40.00
Scarlet and Crimson .....	.04	.30	2.00	17.50
Pink and Rose .....	.04	.35	2.00	18.00
Striped and Variegated .....	.05	.40	3.00	27.50

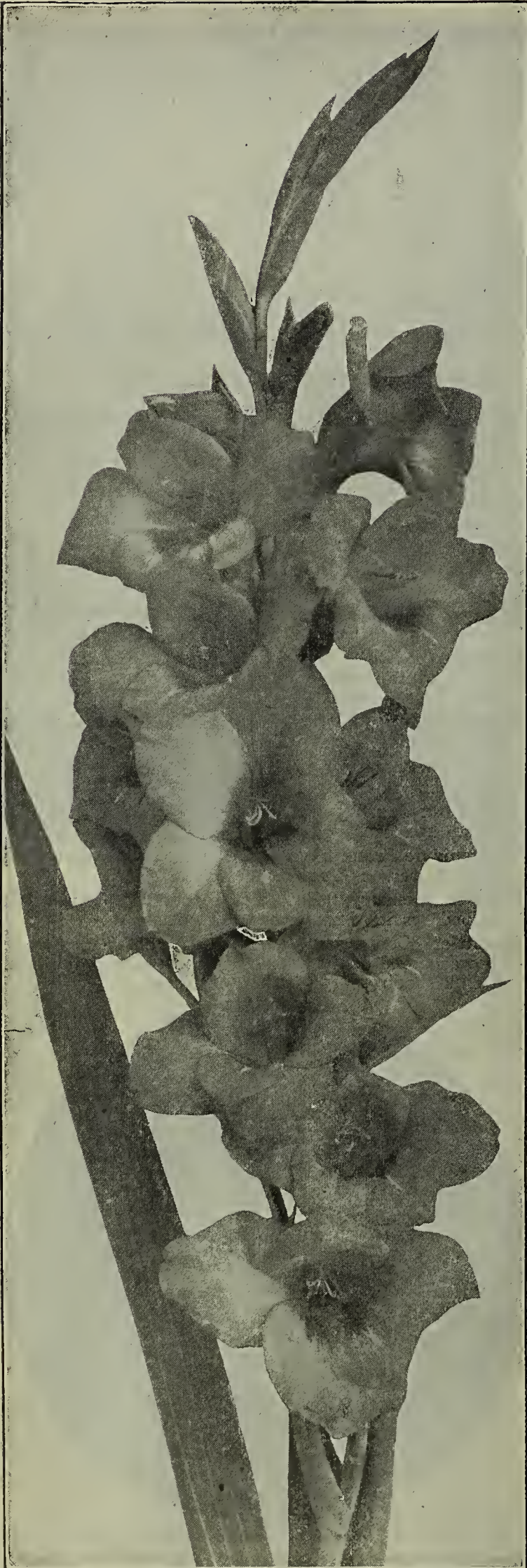
SPECIAL COLLECTION OF NAMED GLADIOLUS

As an inducement to popularize the choicer named Gladiolus, we offer the following collections at attractive prices; for this reason the selection must be our own, customers may be sure, however, of getting a wide range of colors.

	Price
Collection No. 1. — 12 bulbs, 1 each of 12 varieties, our selection...	\$0.75
Collection No. 2. — 25 " 1 " 25 " " " " ...	2.00
Collection No. 3. — 50 " 2 " 25 " " " " ...	3.75
Collection No. 4. — 100 " 4 " 25 " " " " ...	7.25

GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. Free for the asking.



A type of Michell's Giant Flowering Mixture of Gladiolus

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates

(hc)

MICHELL'S NAMED GLADIOLUS (Bulbs) 127

We can justly claim superiority for Michell's Gladiolus Bulbs, as many of them are grown in our own Nurseries, where we are able (due to the excellent soil) to produce plump, heavy bulbs, which are much superior to those grown usually on gladiolus farms.

CULTURAL HINTS ON GLADIOLUS

A sunny location is very essential. The soil should be one that has natural drainage, and should be thoroughly enriched with well-rotted manure. Set the bulbs out about May 1st. To get best effects, have about 6 inches of space between them. They usually flower 90 days after planting. In order to have a succession of flowers until frost, make a planting about every 10 days, up to July 1st. It is advisable to purchase the bulbs at one time, as they are frequently not obtainable later in the season. While growing, bulbs should be thoroughly cultivated, and should be given a top-dressing of Sheep Manure and Bone Meal. As the bulbs begin to flower, plants should be supported with a suitable stake, to prevent them from breaking off.



America

America. A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded; many being open at one time. Each 6c.; 60c. per doz.; per 100, \$3.00.

Attraction. Immense flowers of a most pleasing deep rose, with white throat, this marking being very effective. Each 8c.; 85c. per doz.; per 100, \$6.00.

Augusta. A lovely variety for the garden, producing graceful, slender stems, which are dressed entirely with open flowers of white, slightly tinged and striped pink. Each 6c.; 60c. per doz.; per 100, \$3.00.

Baron Joseph Hulot. Deep indigo blue slightly marked white at the base of the throat; very attractive when arranged with yellow flowers in a vase. 10c. each; doz., \$1.00; \$6.00 per 100.

Brenchleyensis. Splendid for garden effects, as all the flowers appear at one time; vermilion scarlet color, ideal for planting in front of shrubbery. 3c. each; doz., 25c.; \$1.75 per 100; 1000, \$15.00.

Canary Bird. Canary yellow, a very massive spike closely set with flowers. 10c. each; doz., \$1.00; \$7.50 per 100.

Cardinal. A perfect spike and flower of intense cardinal red, very rich and showy, representing one of the finest varieties. Each 15c.; \$1.50 per doz.; per 100, \$11.00.

Contrast. One of the most showy of all gladiolus. The intense dazzling scarlet flower presents a striking contrast with a combination of a pure white band around each petal and a conspicuous marking of white in the throat; pleasing on sight. 50c. each; doz., \$5.00.

Dawn (Groff's). A gigantic spike with colossal wide open flowers of peach-blow pink, with a creamy yellow blotch in the throat, which enhances the exquisiteness of the color; one of the best introductions in recent years. 75c. each; doz., \$7.50.

Eugene Scribe. Large open flowers of a tender rose shade, blazed carmine. 8c. each; doz., 75c.; \$5.00 per 100.

Europe. A sensational novelty, spikes of which average 5 feet and are dressed with gigantic flowers of purest white without a trace of any other color. The spikes are very broad, as three flowers appear usually together in a line; a single spike averages 25 blossoms. 75c. each; doz., \$7.50.

George Paul. One of the largest flowering varieties, produced in great numbers on graceful, slender stems; color, rich crimson. 10c. each; doz., 85c.; \$6.00 per 100.

Glory (Kunderdi). Introduced by us in 1911. It is the first of a new race with waved or ruffled petals, and this feature alone places it in a class all by itself. It has more vigor than any other variety, producing a broad deep green foliage with massive spikes, which in good garden soil grow 5½ feet high. The flower itself is very large, of creamy pink with a penciling of crimson in the throat. 12c. each; doz., \$1.00; \$7.50 per 100.

I. S. Hendrickson. A beautiful irregular mottling of white and rose; in some the pink and in others the white predominates; flowers immensely large. 10c. each; doz., \$1.00; \$7.50 per 100.

Jean Dieulafoy. One of the earliest to flower. The lovely creamy white blooms are decorated with a conspicuous blotch of red in the throat, which makes it very attractive. 15c. each; doz., \$1.25; \$9.00 per 100.

Kate. Blush white with a crimson throat. 10c. each; doz., 75c.; \$5.00 per 100.

Klondyke. Clear primrose yellow with a crimson blotch in the throat, of dwarf habit. 7c. each; doz., 70c.; \$4.00 per 100.

La Luna. An extremely choice variety on account of the large size of bloom and its splendid color. The exquisite pointed buds appear in primrose yellow, a color which changes, as the flower opens, to a clear creamy white; a very conspicuous blotch of blood red adds beauty to the combination; robust grower. 50c. each; doz., \$5.50.

Lemon Drop. Light lemon yellow with a brighter yellow throat. 12c. each; doz., \$1.00; \$7.00 per 100.

May. A fine white delicately flecked crimson; a slender spike, extensively used for forcing. 5c. each; doz., 50c.; \$3.00 per 100.



Glory

(hc)



MICHELL'S NAMED GLADIOLUS (Continued)



Mephistopheles

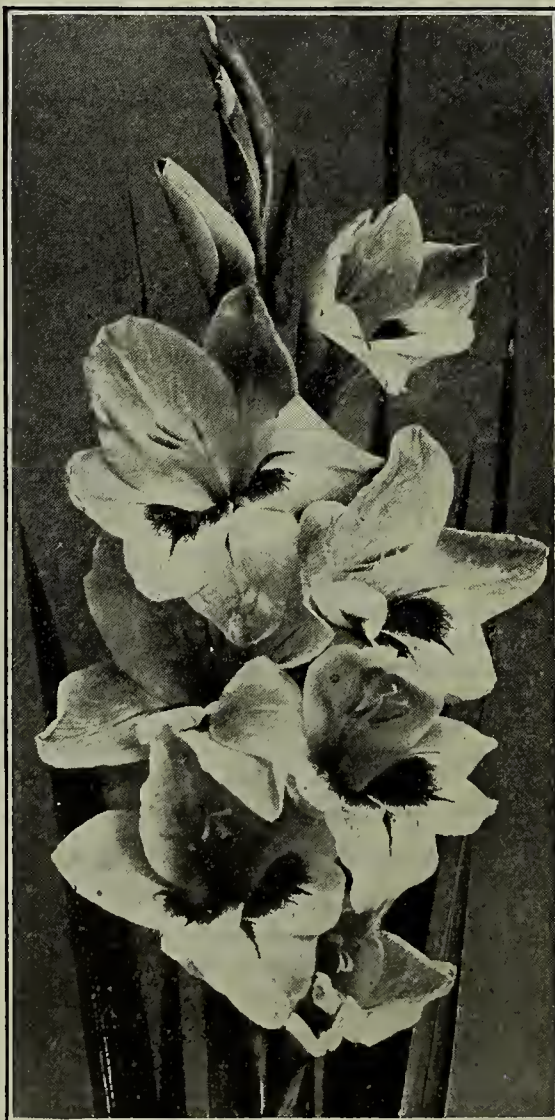
Mephistopheles. Large flowers of bright red, effectively marked with yellow, giving the blooms a bizarre appearance. 15c. each; doz., \$1.50; \$10.00 per 100.

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among gladiolus. 5c. each; doz., 50c.; \$2.75 per 100.

Mrs. Frank Pendleton, Jr. One of the most exquisitely colored and formed gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the centre. The blooms are wide open and are arranged individually on the very slender but wiry stems, which fall gracefully when arranged in vases. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. The most sensational gladioli novelty. 50c. each; doz., \$5.00; \$35.00 per 100.

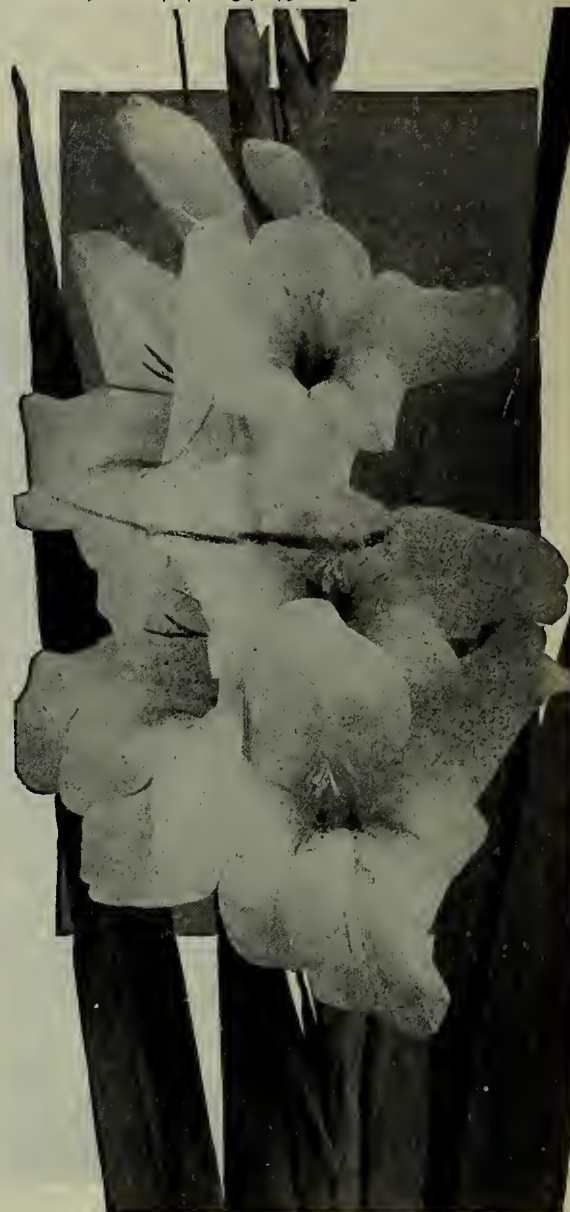
Niagara. An entire new color in Gladiolus, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 25c. each; doz., \$2.75; \$20.00 per 100.

Panama. On account of its habit, color and form, it is destined to become the most popular gladiolus in the near future. For form and habit, it has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. The spikes are tall and very robust and many flowers appear at one time. 50c. each; doz., \$5.00.



Mrs. Frank Pendleton

Nezinscott. Very brilliant scarlet with a deep red throat; a striking variety. 15c. each; doz., \$1.25; \$9.00 per 100.



Gladiolus Peace

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows the enormous flowers well placed all along the stem. 'Tis of wonderful vitality, being a splendid keeper when cut. "Peace" flowers mid-season and late, when the best of other gladiolus are gone. 20c. each; doz., \$2.25; \$16.50 per 100.

Pink Augusta. A grand new gladiolus, especially fine for bedding or cutting, it has all the fine characteristics of the "White Augusta," which is vigorous, has straight stems and is free blooming, and all flowers on a stem open at one time. The color is a pleasing pink and thereby fills a niche in the class of popular gladiolus. 7c. each; doz., 60c.; \$3.50 per 100.



Princeps

Princeps. Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 10c. each; doz., 85c.; \$6.00 per 100.

Primulinus (*Maid of the Mist*). One of the finest species from South Africa; a very thin, wiry, slender stem is decked with clear canary yellow flowers of medium size, of which but 2 or 3 are open at one time. The form of the blooms is exceedingly interesting; the upper petal being hooded, the attached two lower petals being expanded, gives it a striking appearance. For cutting or house decoration it is invaluable and most graceful. 20c. each; doz., \$1.75; \$13.50 per 100.

Primulinus Major Hybridus. From the original specie our grower has produced by crossing and re-crossing into the finest large flowering varieties an entire new form of gladiolus, all petals of which open wide and are of extra large size. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. They are borne on graceful slender stems. 12c. each; doz., \$1.00; \$7.50 per 100.

Rochester White. A splendid novelty, producing spikes 4 feet high, completely covered with wide open flowers of the purest white; the throat shows a light shading of whitish green, which really adds to the purity of the white. It is without doubt the finest pure white Gladiolus for cutting. 75c. each; doz., \$7.50.

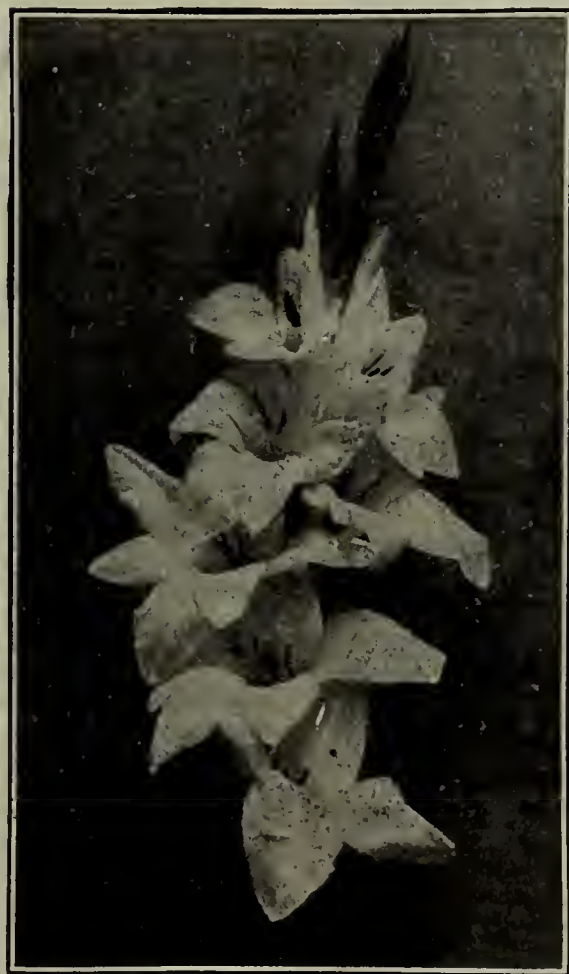
Rose Spray. A giant Childsii type, pure white, with pink sprays or flakes. 15c. each; doz., \$1.25; \$9.00 per 100.

Rosella (*Kathryn*). A perfect orchid in color and texture; delicate cattleya pink, with white throat and veinings. Flowers are very large and many are open at one time. 15c. each; doz., \$1.50; \$10.00 per 100.

Scarsdale. Long graceful spikes of wide open flowers of a very pleasing lavender shade; a most unique and distinct color. 10c. each; doz., \$1.00; \$8.00 per 100.

Scribe. An improvement over Eugene Scribe, the description of which will be found on page 127. It is the same color, but larger flower and longer spike. 10c. each; doz., \$1.00; \$7.50 per 100.

Shakespeare. A very dainty white, slightly suffused with rose. Well opened flowers on a long spike. Especially popular for forcing. 10c. each; doz., \$1.00; 100. \$7.50.



Sulphur King



Shakespeare

Sulphur King. This is without doubt the finest yellow gladiolus. It produces, on a very long spike, flowers of the clearest sulphur yellow. 20c. each; doz., \$2.00; \$15.00 per 100.

Sunlight. A very attractive flower of a bright crimson with yellow throat. 10c. each; doz., 75c.; \$6.00 per 100.

Taonic. A flower of striking appearance. Color, pink flecked and striped with same shades and lower petals marked deep crimson. 15c. each; doz., \$1.25; \$8.00 per 100.

Victory. Delicate sulphur yellow, lower petals shaded deeper and a bright maroon blotch on throat. 10c. each; doz., \$1.00; \$7.50 per 100.

Wild Rose. A most pleasing tint of pink resembling the single wild rose of the roadside; flowers very large and wide open. 15c. each; doz., \$1.50; 100, \$10.00.

Wm. Falconer. Beautiful light clear pink, spike of great length and flowers of enormous size. 15c. each; doz., \$1.25; \$8.00 per 100.

MICHELL'S HARDY GARDEN LILIES

What garden could be called complete without a fair display of these stately flowers. Their graceful habits, their ability to adapt themselves to special locations and the variety of them to have flowers almost the entire summer makes them very valuable. Their culture is simple yet a few rules must be strictly observed to grow them successfully.

All lilies should be planted from 6 to 8 inches deep, the Japanese varieties even 12 inches deep, the bulbs themselves should be completely enveloped in sand; no manure should come in contact with the bulb, but may be placed 4 to 6 inches underneath, all loose petaled bulbs should be planted on their side instead of upright.

These are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lily; we recommend, however, they should be grown exclusively outdoor.

Wild gardening, a feature becoming popular of late, gives lilies the foremost place.

In winter all lilies should have a protection of leaves or manure.

JAPANESE LILIES

Auratum (*Golden Banded Lily from Japan*). A variety planted most extensively; flowers of enormous size, measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The height varies according to location; it prefers a moist, cool well-drained soil. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 " 11 " ".....	.25	2.50	17.50
Monster Bulbs, 11 " 13 " ".....	.35	3.50	25.00

Melpomene. Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 " 11 " ".....	.25	2.50	17.50

Speciosum Album. The best flowering pure white hardy garden lily, of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stem; the petals recurve and show the prominent red piston in the centre; height, 4 feet; blooms August and Sept.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.20	\$1.80	\$12.50
Mammoth Bulbs, 9 " 11 " ".....	.25	2.50	17.50

Speciosum Magnificum. An enormous flower rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; this is one of the grandest of the Jap. varieties; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 " 11 " ".....	.25	2.50	15.00
Monster Bulbs, 11 " 13 " ".....	.35	3.50	25.00

Speciosum Rubrum or Roseum. Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and Sept.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs, 9 " 11 " ".....	.25	2.50	17.50
Monster Bulbs, 11 " 13 " ".....	.35	3.50	25.00

OLD FASHIONED TIGER LILIES

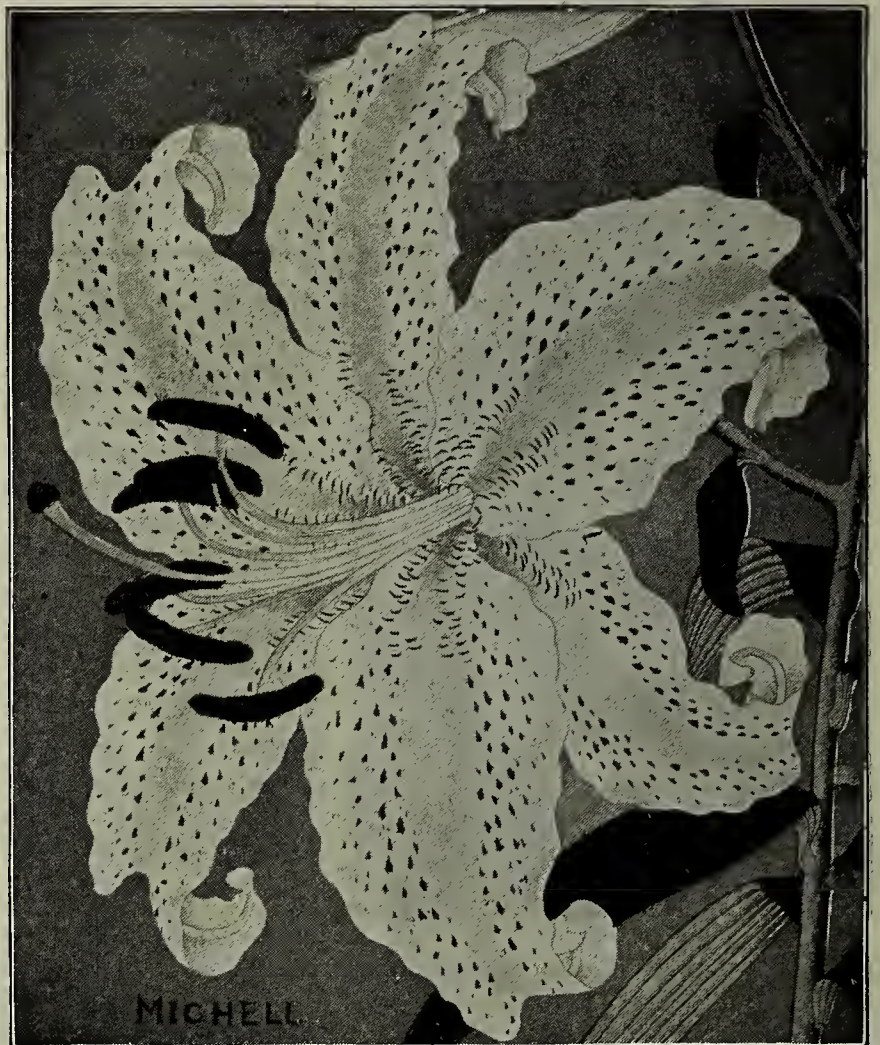
The improved Tiger Lily is one of the hardiest in cultivation, which succeeds and increases in all climates; splendid for naturalizing in groups and around shrubbery. The orange blossoms are heavily spotted maroon and borne in clusters of from 4 to 10 blooms on a straight heavy stalk, often 5 feet in height. Deep purple seed pods form on the axils of the leaves; blooms in July.

Tigrinum Splendens Simplex. Mammoth bulbs grown in Japan, 10c. each; doz., \$1.00; \$7.50 per 100.

Tigrinum Flore Pleno. A double form of the above, retaining its flower longer, otherwise is as above. Mammoth bulbs grown in Japan, 15c. each; doz., \$1.50; \$10.00 per 100.

CANNAS, DAHLIAS AND GLADIOLUS

is the title of a booklet we have issued, covering the culture of the above popular subjects; mailed free or included with orders if asked for.



Lilium Auratum

AMERICAN OR NATIVE LILIES

Brownii. Pure white inside; brown and purple outside. 50c. each; doz., \$5.00.

Canadense (*Canadian Bellflower Lily*).

Bright yellow bell-shaped flowers; spotted black inside; June and July; 2 feet.....

Canadense Rubrum. Same as above, crimson with black spots.....

Elegans, Painted Chief. Bright red flowering early June; 2 feet; large open flowers stand upright in clusters from 3 to 5 on a stout stem.....

Elegans, Leonard Joerg. Rich apricot pink.....

Hansoni. Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster; petals thick and durable.....

Henryi (*New and Rare*). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion.....

Superbum. (*Turk's Cap Lily*). One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 5 to 45 nodding brilliant orange red flowers on a single stalk during July.....

Tenuifolium (*Coral Lily*). Brilliant scarlet, bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May.....

Umbellatum. A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps.....

WATER LILIES, Etc.

These are well known and highly appreciated and as indispensable as hardy perennial and other decorative plants. They furnish a decorative effect as no other plants can. Associated with ornamental subtropical plants they lend a most pleasing and charming effect to the landscape. They are also valuable as cut flowers, especially the tender varieties, both day and night bloomers. The day bloomers furnish superb flowers on long stems in red, white and blue colors. The night blooming varieties possess a charm distinct from all others, the colors varying from pure white to pink with shades of red, carmine and crimson, which are very brilliant under artificial light. They are of simple culture, requiring a moderately rich soil, water and sunshine. The hardy varieties should be planted in May in this latitude, and on until the middle of August. The tender Water Lilies should be planted about the first of June, when warm, settled weather is assured. Keep the pond filled with water to supply loss by evaporation, but springs and running streams must be avoided, as they lower the temperature of the water to a dangerous degree. Varieties marked A are of moderate growth, medium to small sized flowers, suitable for tubs and fountain basins. Varieties marked B are of compact growth, suitable for artificial ponds, pools, etc. Varieties marked C are of a spreading nature, suitable for large ponds and lakes and for naturalizing.

Our stock is grown by one of the foremost aquatic specialists in America.

HARDY NYMPHAEAS

A N. Aurora. A unique variety, flowers soft rosy-yellow on first day, changing to deep red on the third day; stamens orange; useful for growing in tubs. 75c. each; \$7.50 doz.

N. Marliacea albida. Large pure white flowers, stamens light yellow, sepals flushed pink, fragrant and produced freely and continuously through the season. 50c. each; \$5.00 per doz.

A N. Laydekeri Lilacea. Flowers 3 to 5 inches across, rosy-lilac, shaded bright carmine, with a tea rose fragrance. 75c. each.

A N. Laydekeri Purpurata. A free-blooming variety; flowers medium sized, rosy crimson, orange stamens. 75c. each.

B N. Marliacea Chromatella. A free and vigorous grower, flowers 4 to 6 inches across, bright canary yellow, stamens deep yellow, leaves deep green, beautifully blotched with brown. One of the best. 75c. each, \$7.50 per doz.

B N. Marliacea Rosea. Resembles N. M. Carnea in habit and growth; flowers large, deep rose color, young leaves, purplish red, changing to deep green. One of the very best pink hardy Water Lilies for cutting. \$1.00 each, per doz. \$10.00.

C N. Odorata. This is the fragrant Pond Lily of the north-eastern United States; flowers white, 3 to 5 inches in diameter, stamens yellow, leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds. 20c. each, \$2.00 per doz.

B N. Odorata Sulphurea. Flowers fragrant, 4 to 5 inches across; sulphur yellow, standing well above the water. A desirable variety. 35c. each; \$3.50 per doz.

C N. Tuberosa Maxima. Flowers medium size, cup shaped, pure white with strong fragrance. 20c. each; \$2.00 per doz.

C N. Tuberosa Rosea. Flowers of an exquisite shade of pink, 4 to 5 inches across, standing well out of the water. Desirable. 35c. each; \$3.50 per doz.

C N. Tuberosa Richardsoni. Flowers white, 6 to 8 inches across, forming with its numerous petals a perfect globe when fully open. A most beautiful fragrant white Lily. 35c. each; \$3.50 per doz.

N. Dentata Improved. A seedling of Dentata, with flowers 6 to 8 inches across; pure white with broad petals, blooming at night. A free bloomer and desirable. 75c. each.

TENDER WATER LILIES

Nymphaea Capensis. Cape Blue Water Lily; flowers rich sky-blue, 6 to 8 inches across; sepals green outside; whitish within, flushed blue. A very desirable species and useful for cutting. 75c. each, \$7.50 per doz. (Day blooming.)

N. O'Marana. Flowers of the largest size; petals of a reddish pink with nearly white stripes up the centre. A vigorous grower and a free-flowering variety. \$1.50 each. (Night blooming.)

N. Rubra. Flowers 6 to 8 inches across, of a deep purplish red. A free bloomer and desirable. 75c. each. (Night blooming.)

N. Zanzibariensis. A superb variety of the deepest purple. Flowers 6 to 8 inches across; very free-flowering, with strong fragrance. Very desirable. \$1.50 each. (Day blooming.)

N. Zanzibariensis Rosea. Flowers rose, of various shades; otherwise like the preceding. 75c. each. (Day blooming.)



Hardy Nymphaea

NELUMBIUMS

These are stately plants with bold massive peltate leaves on stout stalks 4 to 5 or more feet high and 2 to 3 feet across. The flowers are also large and magnificently grand in appearance. They are of easy culture; can be grown in a natural or artificial pond, boxes or tubs. They are perfectly hardy, provided the tubers are kept free from frost, but should not be transplanted before the beginning of May.

N. Album Grandiflorum. Flowers pure white, large and very beautiful and fragrant; very choice. \$2.50 each.

N. Luteum (American Lotus). Superb yellow flowers. Dormant tubers, \$1.00 each; pot-grown plants, \$2.00 each.

N. Speciosum (Egyptian Lotus). Exquisite flowers of a beautiful rose color; vigorous and free-flowering. \$1.50 each, pot plants \$2.50 each.

VICTORIA REGIA (Royal Water Lily)

Victoria Lilies require much space to develop their monstrous leaves, which are often 5 feet across, with upturned rims 5 to 7 inches. V. Regia requires a high temperature for development, otherwise the season may close without a flower being seen. V. Trickeri succeeds well under the ordinary treatment for tender Nymphaeas, but should not be planted out, or shipment made before warm, settled weather is assured, usually about June.

Victoria Regia. The well-known species. \$7.50 and \$10.00 each.

Victoria Trickeri. This species is of vigorous and rapid growth and produces its marvelous flowers at an early stage. A single plant often has from 10 to 15 well-developed leaves and frequently two flowers open at the same time. The flowers are white when first open, changing to deep rose the second day and have a strong fragrance not unlike a ripe Pineapple. The flowers open at night, the same as the night-blooming Nymphaeas. Plants \$7.50 and \$10.00 each.

MISCELLANEOUS AQUATICS

Cyperus Alternifolius (Umbrella Palm). A very attractive plant in water, or planted in moist ground. 15c. and 25c. each.

Eichhornia Crassipes Major (Water Hyacinths). An interesting floating plant, with dark, lustrous leaves and delicate rosy-lilac flowers on large spikes. 15c. each, \$1.50 per doz.

Limnanthemum Indicum (Water Snowflake). A pretty Lily-like plant, producing masses of dainty snow-white flowers, beautifully fringed. 25c. each, \$2.50 per doz.

Limncharis Humboldtii (Water Poppy). A very pretty aquatic plant, with floating leaves and large, yellow, Poppy-like flowers; continuous bloomer; desirable for aquariums. 15c. each, \$1.50 per doz.

Myriophyllum Proserpinacoides (Parrot Feather). Very fine fluffy foliage, looks like a mass of green silk, ideal for aquariums. Strong plants, 10c. each; \$1.00 per doz.



DECORATIVE CONSERVATORY AND GREENHOUSE PLANTS

Our extensive trade, particularly with gentlemen's country estates, has made it necessary for us to give this department special attention. We have arranged with well-known specialists in this line to supply us extra well grown clean stock.



Araucaria Compacta

ARAUCARIA

Excelsa (*Norfolk Island Pine*). 4-in. pots, 6 to 8 in. high, 50c. each, doz. \$5.50. 5-in. pots, 10 to 12 in. high, 75c. each, doz. \$8.25. 6-in. pots, 12 to 14 in. high, \$1.00 each, doz. \$11.00. 6-in. pots, 14 to 16 in. high, \$1.50 each, doz. \$16.50.

Robusta Compacta. 6-in. pots, 10 to 12 in. high, each \$1.50, doz. \$15.50. 6-in. pots, 14 to 16 in. high, each \$2.00, doz. \$22.00.

ASPARAGUS

Plumosus Nanus (*Asparagus Fern*). Highly desirable for fern dishes, bouquet greens, garlands, etc.

Sprengeri. Adapted principally for hanging-baskets.

	Each	Doz.	100
3-in. pots, plants of either of the above....	\$0.15	\$1.50	\$10.00
4-in. pots, plants of either of the above....	.25	2.50	20.00

BEGONIA

Gloire de Lorraine (in season). Beautiful rose pink variety. 2½-in. pots, \$3.00 per doz., per 100 \$22.50; 4-in. pots, 75c. each, per doz. \$7.50; 6-in. pots (specimen plants), \$1.50 each, per doz. \$15.00.

CROTONS

Leading varieties, brilliantly colored. 4-in. pots, each 75c., doz. \$7.50; 5-in. pots, each \$1.25, doz. \$12.50; 6-in. pots, each \$2.00 doz. \$20.00.

DRACAENA

	Each	Doz.
Bronze Beauty . 6-in. pots	\$2.50	\$27.50
Fragrans . Broad green foliage; 6-in. pots.....	1.25	13.50
Godseffiana . Rich green, spotted creamy white; 4-in. pots .....	.50	5.50
Massangeana . Green, striped yellow, leaves; 5-in. pots	1.50	16.50
Sanderiana . Green foliage, bordered white, for centrepieces .....	.25	2.50
Terminalis . Crimson foliage, striped pink and white; 5-in. pots.	1.25	12.50

FICUS (Rubber Plants)

Elastica. The old-fashioned variety. 4-in. pots, 50c. each, doz. \$5.50; 6-in. pots, \$1.00 each, per doz. \$11.00.

Pandurata (*Majestic Rubber Plant*). This variety has enormous leathery leaves and is extremely satisfactory. 6-in. pots, 2 feet high, \$2.50 each; 6-in. pots, 2½ feet high, \$3.00 each; 7-in. pots, 3 feet high, \$4.00 each; 8-in. pots, 4 feet high, \$5.00 each.

GARDENIA

Florida. (*Cape Jessamine*). Pure white, waxy flowers, deliciously fragrant; fine for winter blooming indoors. 3-in. pots, 30c. each, \$3.00 per doz.; 4-in. pots, 50c. each, \$5.00 per doz.; 6-in. pots, \$1.25 each, doz. \$12.50.

PALMS Healthy, Strong Specimens

ARECA

Lutescens. 5-in. pots, 18 in. tall, extra fine, 75c. each, per doz. \$8.25; 6-in. pots with 3 plants, 26 in. tall, \$1.50 each, per doz. \$16.50; 8-in. pot plants, 36 to 40 in. high, \$4.00 each.

COCOS

Weddelliana. 3-in. pot plants. 30c. each, doz. \$3.00, \$22.50 per 100.

KENTIA

	Leaves	Height	Each	Dozen
Belmoreana				
5-in. pot	6 to 7	18 in.	\$1.00	\$11.00
6-in. pot	6 to 7	24 in.	2.00	22.00
6-in. pot	6 to 7	28-30 in.	2.75	30.00
7-in. tub	6 to 7	34-36 in.	5.00	
9-in. tub	6 to 7	48-54 in.	10.00	
9-in. tub	6 to 7	6 ft.	17.50	
Forsteriana				
6-in. pot	5 to 6	28-30 in.	\$1.50	\$16.50
6-in. pot	6	34-36 in.	2.75	30.00

LATANIA

Borbonica. (*Fan Palm*). 6-in. pots, 6 leaves, 20 inches high, each \$1.00, doz. \$11.00.

PHOENIX (Date Palm)

Canariensis. 8-in. tubs, 34-in. high, \$3.25 each; 9-in. tubs, 48 ins. high, \$4.00 each; 10-in. tubs, 50 ins. high, \$5.00 each.

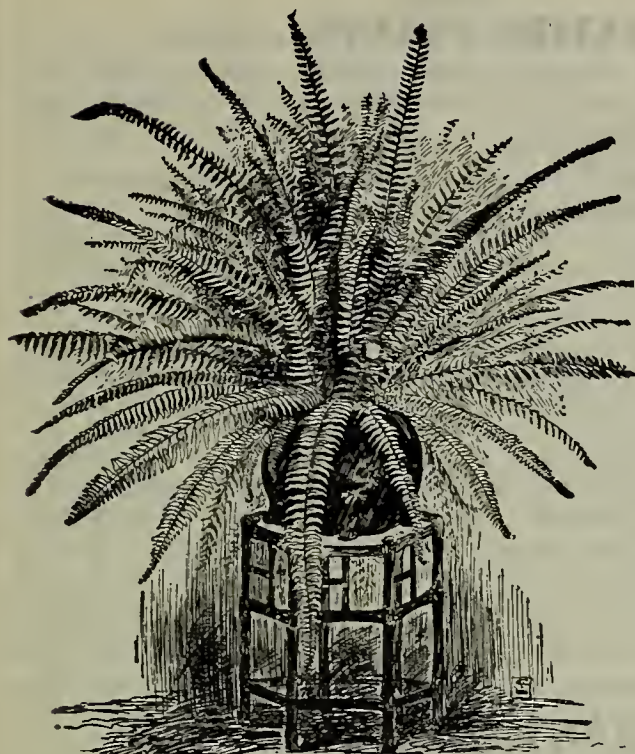
Roebelinii. This palm combines the gracefulness of the Cocos and the hardiness of the Kentia and is especially adapted for all occasions, where a plant is subjected to any abuse. 5-in. pots, \$1.50 each; 6-in. pots, \$3.00 each; 8-in. tubs, \$5.00 each; 10-in. tubs, \$12.00 each.



Kentia Belmoreana

We can also supply all other Decorative or Greenhouse Plants

FINE FERNS



Nephrolepis

ADIANTUM

(Maiden Hair Fern)

Cuneatum. A small leaved, dark green, old-fashioned variety. 25c. each, per doz. \$2.50.

Farleyense. This variety has a broad foliage and is the finest of the Adiantum Ferns. It succeeds best in conservatory or greenhouse, by reason of its love for a moist atmosphere. Strong plants, 25c., 50c., \$1.00 and \$1.50 each.

CIBOTIUM

Schiedei. This variety is extremely valuable for the handsome show made by its magnificent fronds, of a beautiful very light green shade. 7-in. pots, 2 to 2½-foot spread, \$4.00 each; 9-in. tubs, 4-foot spread, \$7.00 each; 9-in. tubs, 5-foot spread, \$8.50 each. Smaller plants, 50c., \$1.00 and \$1.50 each.

FERNS for Fern Dishes, Etc.

We are always able to furnish a large selection of these in the leading varieties, best suited for the purpose named. 2½-in. pots 10c. each, doz. \$1.00, \$7.00 per 100; 3-in. pots, 15c. each, doz. \$1.50, \$10.00 per 100.



Japanese Fern Ball

JAPANESE FERN BALLS (Davalla Bullata)

We can supply these either in dormant condition or in growth. They are extremely attractive as a conservatory decoration or for hanging on the veranda during the summer. Produce delicate fronds of a light green color, and should be included in every collection of Ferns. **Dormant** 40c. each, doz. \$4.00; **Started** in foliage as per cut, \$1.00 each; doz., \$10.00.

NEPHROLEPIS

Under this heading come practically all the so-called Boston or Sword Ferns. Our list embraces the improved kinds, as well as the older sorts.

Amerpoehlii (*Philadelphia Lace Fern*). Beautiful, graceful fronds; strong plants; 6-in. pots, \$1.25 each, per doz. \$13.50.

Bostoniensis. Old-fashioned Boston Fern. 6-in. pot plants, 75c. each, per doz. \$8.25.

Elegantissima Compacta. The dwarf compact type, assuming an ideal shape. 6-in. pots, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each, per doz. \$22.00.

Schoelzeli. This is the ideal crested variety, making a handsome appearance. 6-in. pots, extra strong, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each, per doz. \$22.00; 10-in. pots, \$4.00 each.

Scottii. Very compact growing type, producing always a perfect plant. 6-in. pots, extra strong, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each, per doz. \$22.00; 10-in. pots, \$3.00 each.

Toteaoides. London Fern. One of the newer kinds and a strong grower. 6-in. pots, \$1.00 each, per doz. \$11.00; 8-in. pots, \$2.00 each; 10-in. pots, \$5.00 each.

Whitmani. Ostrich-plume Fern. 6-in. pots 75c. each, per doz. \$8.25.

PANDANUS

Veitchii. In these we can furnish extra fine, well-colored stock. 4-in. pots 75c. each, per doz. \$8.25; 5-in. pots \$1.25 each, \$13.50 per doz.; 6-in. pots \$1.50 each, \$16.50 per doz. Specimen Plants \$4.00 to \$7.50 each.

Utilis. Dark green foliage. 4-in. pots 50c. each, doz. \$5.00.

CHOICE ORCHIDS

We have made arrangements with a specialist in this line on account of the many demands we had from our customers with greenhouses. We can supply all other sorts not listed below, and are pleased to quote on inquiry.

CYPRIPEDIUMS

	Each
Acteus (<i>C. insigne x Leeanaum</i>)	\$3.00
Alice (<i>Spicerianum x Stoneii</i>)	3.50
Alcides (<i>Insigne x Hirsutissimum</i>)	3.00
Baron Kuroki	3.50
Bellatulum	2.50
Boxallii	3.00
Brilliance	3.00
Calypso (<i>Spicerianum x Boxalli</i>)	3.00
Charlesianum	3.00
Clotho (<i>Politum x Boxalli Atratum</i>)	3.00
Concolor (<i>Sp. Burmah</i>)	3.00
Euryades (<i>Leeanaum x Boxalli</i>)	3.00
Euryale (<i>Lawrenceanum x Superbians</i>)	3.50
Exul (<i>Sp. Singapore</i>)	3.00
Harrisianum (<i>Villosum x Barbatum</i>)	2.50
Hera	3.50
Insigne	3.00
J. Howes (<i>Sallierii x Villosum Aureum</i>)	3.00
Leonidas (<i>Villosum x Leeanaum</i>)	4.75
Venustum	2.50

CATTLEYAS

Amethystina (<i>Intermedia</i>)	3.00
Gaskelliana	3.00
Bicolor x Gigas	3.00
Labiata x Alexandra	2.50
Granulosa x Gigas	2.50
Ophir	6.00
Caduceus	6.00
Schilleriana x Callistoglossa	4.75

LOELIO-CATTLEYA

L. Crispe x Trianae	2.50
C. Gigas x Elegans	6.00
L. Latona	4.75
L. C. Miss Williams	3.50
L. C. Myra	3.00
Elegans x Labiata	2.50
Bicolor x Callistoglossa	2.50
L. C. Nysa	3.50
L. C. Bella	6.00
L. Olivia	3.50

We have arranged with the best grower in America to produce most of this stock for us, while the balance we grow ourselves at our Nurseries at Andalusia, Pa., where we the past autumn have completed a very large modern greenhouse especially for growing this class of stock.



CARNATION PLANTS (Ready February 1st)

SPECIAL NOTE. This year we are offering stock of Carnations from 2¼-inch pots, as they are so much more satisfactory to ship and handle than rooted cuttings. We can, however, supply the latter at lower prices than what is asked for pot-grown stock to those desiring it, but we recommend **Pot-Grown Stock**.

Beacon. The best scarlet variety. Our stock is clean and fine.

Benora. The best variegated ever introduced. It is also extremely free. Flower large, full, and of perfect form. Color cream white, beautifully penciled with bright red; stem long and wiry with narrow foliage. This Carnation stands head and shoulders above anything else in its class.

Christmas Cheer. Rich geranium red, a splendid variety for pot or house culture, bearing medium-sized flowers.

Enchantress Supreme. A light salmon pink, which endures exposure to the sun without bleaching. The calyx is long and has shown no tendency to burst. There are less petals, which insures better formed flowers. It is a dependable variety and worthy of a place in every Carnation house.

Plants from 2¼-inch pots, each 15c. (postpaid, 20c.); \$1.50 per dozen (postpaid, \$1.75); \$12.00 per 100, by express.

Enchantress. Shell pink. Our stock of this is excellent.

Eureka. Scarlet seedling from Beacon. Habit similar to Beacon; flower a trifle smaller with better calyx.

May Day. An excellent commercial variety. It is very free, and its even shade of pink is much desired.

Mrs. C. W. Ward. In color a very pleasing shade of pink, slightly lighter than Mrs. Lawson. In growth it is all that could be desired, being thrifty and clean, and making an abundance of flowering shoots.

(See prices in next column.)

CARNATION PLANTS—Continued

Octoroon. Bright crimson in color; habit excellent; very free. **Rosette** (Dorner, 1912). A dark pink Carnation, darker than Rose Pink Enchantress and much brighter than Lawson. Flowers large, full and deep; calyx perfect.

White Enchantress. The pure white strain. For general use there is none better than White Enchantress.

White Perfection. A worthy companion to White Enchantress and a well-known variety. Perfection of bloom, combined with other good qualities, assures it a place.

White Winsor. A pure white sport of Winsor.

Winsor. Clear silvery pink in color; excellent commercial variety, but for best results should be grown inside or planted early.

White Wonder. In character of bloom White Wonder is similar to White Perfection, but the plant shows greater strength and freedom of growth. Large pure white bloom, and well worthy of being considered one of our best commercial varieties.

Price of any of the above Carnations, plants from 2¼-inch pots, except where noted, 10c. each (by mail, 15c.); \$1.00 per dozen (by mail, \$1.25); \$7.50 per 100, by express. 25 of a variety at the 100 rate; 6 of a variety at dozen rate. *We regret not being able to execute orders for less than three carnations in the aggregate unless in conjunction with orders for other plants or goods.* For new Carnations see page 21; for hardy Carnations see page 159.

CHRYSANTHEMUM PLANTS

(From 2¼ in. Pots. Ready in March)

Exhibition Varieties

Christy Mathewson. Pure white color and making large flowers. Growth tall.

Col. Appleton. An old favorite. Yellow medium-sized bloom.

F. E. Nash. Light pink Japanese of large size.

F. S. Vallis. A very large yellow. Dwarf in growth.

Glenview. Semi-dwarf in growth and making large bloom. Deep bronze in color. It is a good variety for general growing.

Harry E. Converse. Petals crimson with golden bronze reverse. Large bloom and excellent growth. 25c. each; doz., \$2.50.

Lady Hopetoun. Light pink in color. Flowers large and beautifully formed. Dwarf in habit.

Manhattan. Delicate blush pink in color. Flower reflexed type. Tall.

Mary Donellan. Very tall in growth. Flower large, incurved, deep golden yellow in color.

Mary Mason. Rosy bronze with lighter reverse. Dwarf.

M. Louiseau Rousseau. Very large incurved pink. Tall.

Mrs. Clay Frick. Medium-sized bloom, but easy to grow. Medium dwarf.

Mrs. J. E. Dunne. A Japanese salmon-terra cotta in color. Tall in growth.

Mrs. O. H. Kahn. Golden bronze. Flower compact. Medium dwarf.

Mrs. J. C. Neil. Soft canary yellow. Easy to grow. Semi-dwarf. One of the best.

Mrs. H. Stevens. A large golden bronze. Finely formed flowers which finish perfectly. Dwarf.

Naomah. Pure white in color. Large, well-formed incurved bloom.

Pockett's Crimson. Crimson with gold tips to the petals. Excellent habit of growth and one of the best varieties.

Wm. Duckham. Light pink Japanese. Incurved bloom. Easy of culture. Medium dwarf.

Wm. Turner. Pure white in color. Incurved type. Very large bloom. One of the finest of the large-flowered Chrysanthemums and a general favorite.

Wells' Late Pink. Clear bright pink in color. Easy of culture. Fine variety for general growing.

W. Woodmason. Very large bloom. Red in color but not bright enough to be called crimson; clean growth; dwarf habit.

Yellow Miller. Light yellow in color. Large bloom; dwarf.

Prices of the exhibition varieties (except where noted), 10c. each (by mail, 15c.); \$1.00 per dozen (by mail, \$1.25); \$6.00 per 100.

6 of a variety at the dozen rate; 25 of a variety at the 100 rate. *We regret not being able to execute orders for less than 3 Chrysanthemums in the aggregate unless in conjunction with orders for other plants or goods.*

(See also page 135 for other Chrysanthemums.)

Plants offered on this page travel best by express. No plants sent C. O. D.

CHRYSANTHEMUMS—Continued

WHITE

- Chadwick Improved.** Alike in all respects to W. H. Chadwick except in color. Absolutely pure white.
- Chas. Razer.** Pure white with grand stem; foliage as handsome as Eaton; flower much like Bonnaffon in form but larger.
- December Gem.** Flowering season extends from the last of November to middle of December, according to date of buds. White with a slightly pink tinge. Ball shaped; very stiff stem.
- Early Snow.** With perfect form and foliage. The best early white Chrysanthemum on the market.
- Elise Papworth.** Flowers about November 1st. It resembles Timothy Eaton. It is an easy variety to grow.
- Lynnewood Hall.** A late white noted for its purity of color.
- White Bonnaffon.** A pure white seedling of Major Bonnaffon.
- W. H. Chadwick.** This variety stands alone. Pinkish to a slight extent when grown cool; it is even more charming than when pure white.
- White Helen Frick.** The pure white sport of Helen Frick; late.
- Jeanne Nonin.** The last of the fancy Chrysanthemums are gone when this variety is ready. Massive white bloom.

YELLOW

- Aug. Dasse.** A dwarf, stiff-stemmed variety, ready November 1st. Very solid flower of extra keeping qualities; globular in form; intense yellow.
- Brutus.** Golden bronze in color. Dwarf; excellent pot plant.
- Chrysolora.** A very fine commercial yellow. Medium to tall in growth. Foliage heavy. Considered the finest early yellow.
- Comoleta.** Owing to its clear bright color and its perfect form Comoleta has become a favorite. Its foliage is not heavy and it can be planted somewhat closer than the heavier varieties.
- Dolly Dimple.** Clear yellow; large flowers; excellent variety, maturing November 25th to December 1st.
- Golden Chadwick.** When high-class blooms are the object, this variety reigns supreme. Its rich yellow color, combined with the other good characteristics, places it as the best late yellow.
- Golden Eagle.** Very intense yellow; incurved in form.
- Merry Jane.** Bright clear yellow in color; incurved type. Clean and vigorous in growth with a perfection of bloom.
- Nagoya.** Perfect stem and foliage, combined with richness of color in the bloom and ease of culture, make Nagoya a safe variety to grow in quantity. It matures about November 20th.
- Ramapo.** Very deep golden yellow in color with large, finely formed flowers. The habit of growth and foliage is excellent.
- Roman Gold.** Foliage and stem of excellent character. The flower is finely formed and a deep rich yellow in color. October 20th to November 1st.
- Yellow Eaton.** Owing to its strong growth and large bloom Yellow Eaton is a general favorite.
- Yellow Ivory.** A clear bright yellow sport of Ivory.

PINK

- Chadwick Supreme.** Comes into bloom from November 20th to December 1st. Color is similar to Pacific Supreme; reflexed bloom. A sport of W. H. Chadwick.
- Helen Frick.** Medium-sized bloom; a valuable late variety.
- Hirondelle.** Big incurving variety with splendid stem and foliage. Clear pink brightening into rosy lavender as it matures.
- Patty.** Flowers a pleasing shade of pink in color; excellent habit and foliage. Matures just before Thanksgiving.
- Pink Gem.** Pleasing shade of light pink with perfectly formed incurved flower. Strong foliage and stem; medium height.
- Unaka.** A strong grower with perfect stem and foliage. A fine incurved bloom of a pleasing shade of pink and matures early.
- Winter Cheer.** A deep cerise pink in color; incurved compact bloom. Matures October 25th to November 1st.
- W. R. Brock.** A fine pink for Thanksgiving or later.

RED

- Harvard.** Japanese reflexed; very dark crimson; very late.
- Intensity.** Bright crimson; reflex type.

Prices of any of the above Chrysanthemums, plants from 2¼-inch pots, 10c. each (by mail, 15c.); \$1.00 per doz. (by mail, \$1.25); \$6.00 per 100.

We regret not being able to execute orders for less than 3 Chrysanthemums in the aggregate unless in conjunction with other plants or goods. We can also supply all other leading varieties. (See page 153 for Hardy Chrysanthemums.)

FORCING ROSES (Ready in March)

Any of these varieties can also be successfully planted outdoors. 2¼-inch pot plants ready in March; 3-inch in April; 4-inch in June.

Milady. Large and double and opens perfectly at all seasons of the year. In color it is similar to Richmond, although richer in color in the bud. In form of flower and fragrance it resembles Gen. Jacqueminot. Of strong growth, great productiveness and keeping qualities.

Mrs. Charles Russell. A strong growing, free flowering Rose. The foliage is heavy and leathery, is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed. The color is a bright rose pink, deeper toward the centre.

Mrs. George Shawyer. Brilliant rose pink, large, well formed, fairly full. Growth is tall and stiff with leathery foliage. This Rose is recognized as one of the best forcing Roses.

Prices of any of the above sorts:

Grafted,	2¼-inch,	30c. each;	per doz., \$3.00;	\$22.50 per 100
	3 -inch,	40c. each;	per doz., 4.00;	27.50 per 100
	4 -inch,	50c. each;	per doz., 5.00;	35.00 per 100
Own Root,	2¼-inch,	25c. each;	per doz., 2.25;	17.50 per 100
	3 -inch,	30c. each;	per doz., 3.00;	22.50 per 100
	4 -inch,	40c. each;	per doz., 4.00;	30.00 per 100

Sunburst. Orange-copper or golden-yellow. It is a strong growing variety and belongs in the class with big Roses. The foliage and stem are excellent. (Owing to the fact that Sunburst has not been a general success grafted, we are offering the variety on its own roots only.)

Prices of Sunburst:

Own Root,	2¼-inch,	20c. each;	\$2.00 per doz.;	\$15.00 per 100
	3 -inch,	30c. each;	3.00 per doz.;	20.00 per 100
	4 -inch,	40c. each;	4.00 per doz.;	25.00 per 100

American Beauty. Cerise pink. Clean, strong stock on their own roots; propagated from two-eye cuttings according to prices below.

Prices on American Beauty:

Own Root,	2¼-inch,	15c. each;	\$1.50 per doz.;	\$12.00 per 100
	3 -inch,	20c. each;	2.25 per doz.;	18.00 per 100
	4 -inch,	30c. each;	3.00 per doz.;	25.00 per 100

Killarney. The most popular forcing Rose that has ever been introduced and without doubt the most profitable Rose ever grown. It is too well known to need description.

Killarney Queen. It is a cerise pink sport of Killarney, exceptionally strong in growth with excellent foliage. The petals are larger than the petals of Killarney, and for high-grade bloom in the colder months Killarney Queen is without an equal.

My Maryland. As a summer forcing Rose, My Maryland reigns supreme. Clear pink in color. Pointed buds, combined with wonderful producing qualities make this Rose deservedly popular.

Radiance. Radiance is very popular. Deep cerise pink. Strong in growth and a good producer. One of the finest Roses for outdoor growing.

Richmond. Clean and strong grower; free bloomer; fine shaped buds borne on stiff stems; color bright rich scarlet crimson.

White Killarney. White Killarney has most successfully advertised itself. Like its parent, the Pink Killarney, it has become one of the most popular Roses grown today.

Double White Killarney. It is a sport from the Waban strain of White Killarney, with increased petalage, and is pure white in color. It comes free from pink in warm weather; has excellent size and substance in midsummer. In habit of growth it is stronger than White Killarney with heavier foliage.

Prices of any of the above sorts:

Grafted,	2¼-inch,	25c. each;	\$2.25 per doz.;	\$17.50 per 100
	3 -inch,	30c. each;	3.00 per doz.;	22.50 per 100
	4 -inch,	40c. each;	4.00 per doz.;	30.00 per 100
Own Root,	2¼-inch,	15c. each;	1.50 per doz.;	10.00 per 100
	3 -inch,	20c. each;	2.00 per doz.;	15.00 per 100
	4 -inch,	30c. each;	3.00 per doz.;	20.00 per 100

Be sure to specify when ordering whether you wish plants grafted or on their own roots. We can also supply all other standard sorts.

(See pages 139 to 145 for a general list of outdoor Roses.)

MICHELL'S SUMMER BEDDING PLANTS

READY AFTER MAY 1st
EXCEPT WHERE NOTED

Many of these are grown by ourselves, others for us by specialists and are thrifty specimens which invariably give fine results. As readily seen from the title they are not hardy, being for the one season's display only with the exceptions of a few. Plants of this kind cannot well be mailed as we send out strong specimens from 3 and 4 inch pots, which travel best by express.

ABUTILONS (Bell Flower). Splendid plants to be used as a close setting to cannas or other plants. 15c. each; per doz. \$1.25; \$9.00 per 100.

ACALYPHA MACAFAENA. Plant growing 2 feet high, decked with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. 15c. each; doz., \$1.25; \$9.00 per 100.

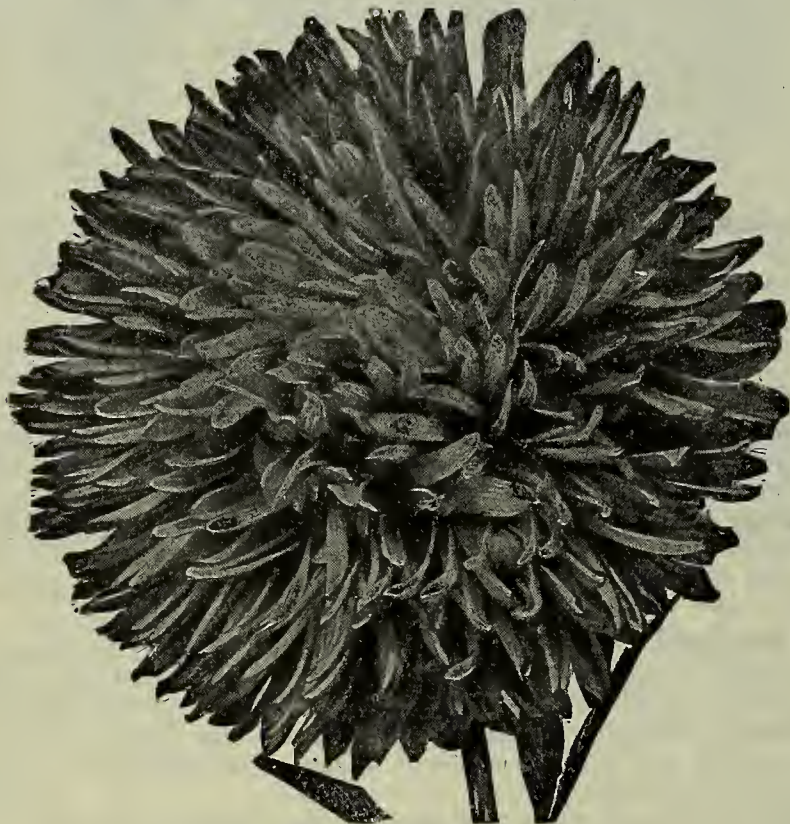
ACHYRANTHES. Rich crimson glossy foliage, dwarf compact grower; 12 inches high; ideal for edging geraniums, salvia, etc. 15c. each; doz., \$1.25; \$9.00 per 100.

AGERATUM. Flower heads in blue and white; 10 inches high; ideal for massive bedding or edging. Price for either color, 15c. each; doz., \$1.25; \$8.00 per 100.

ALTERNANTHERA. Red and Green, used extensively in carpet bedding designs, also for edging; ideal for cemetery work. \$1.00 per doz.; per 100, \$6.00.

ALYSSUM. Pure white flowers, dwarf compact plant, desirable for edging, flowering all season; 6 inches high. 10c. each; \$1.00 doz.; 100, \$6.00.

ANTIRRHINUM (*Snapdragon*). A very effective plant for massive bedding, much used in Italian gardens; mixed colors of pink, yellow, white and crimson; height, 24 inches. 15c. each; extra strong plants, \$1.50 doz.; 100, \$10.00.



Aster Flower

MICHELL'S SUPERB ASTERS

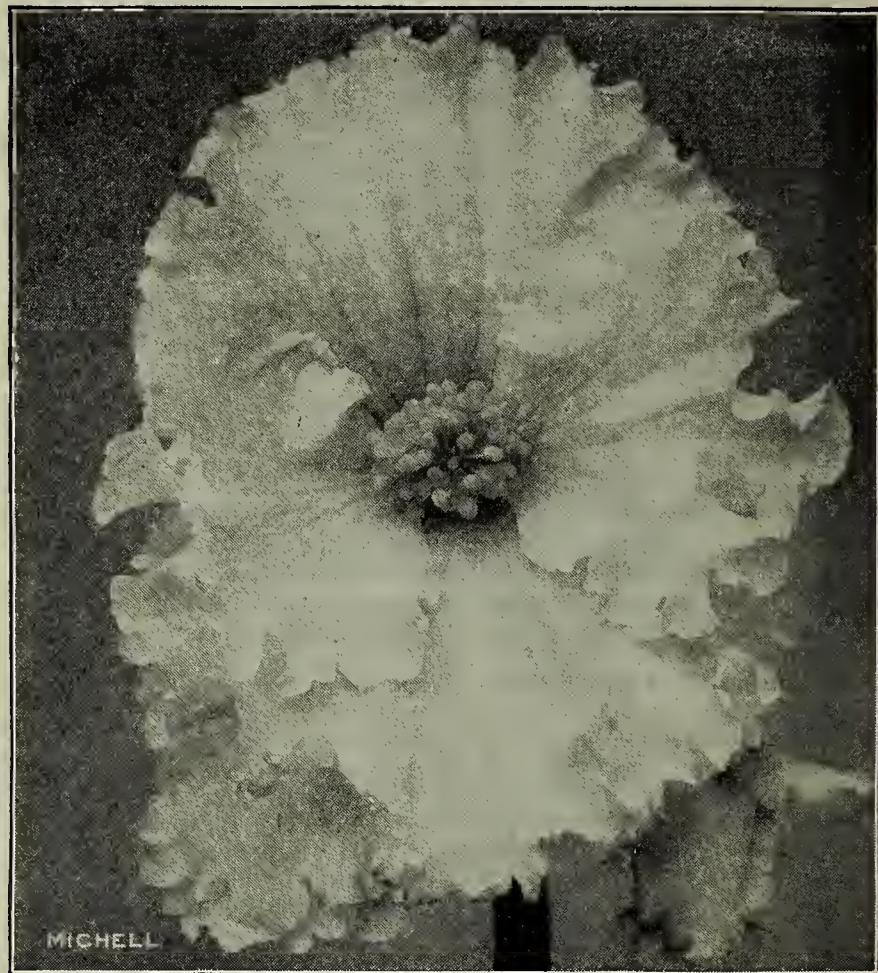
We grow a large stock of these in separate colors pink, scarlet, white and blue, extra strong plants. 8c. each; doz., 75c.; \$5.50 per 100.

BEGONIA (*Tuberous Rooted*). Few people realize the gorgeous effects produced by these plants. It is much more satisfactory to buy them started, ready to set out in May, than to plant out the dormant bulbs. They are usually in flower, when ready to ship, a continuous mass of them until frost. Especially are they fine for planting in shaded locations. Strong extra large plants, *Single Mixed*, 20c. each; doz., \$2.00; \$15.00 per 100. *Double Mixed*, 25c. each; doz., \$2.50; \$17.50 per 100.

BEGONIA VERNON. Bright red flowers, compact dwarf plant, one of the best and most effective bedding plants either for edging or massive bedding. 15c. each; \$1.50 per doz.; 100, \$10.00.

BEGONIA ERFORDI. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. Each, 15c.; \$1.50 per doz.; per 100, \$10.00.

BEGONIA GRACILIS LUMINOSA. A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers, very free blooming, of same habit as Vernon. 20c. each; \$2.00 doz.; per 100 \$15.00.



Tuberous Rooted Begonia Flower

CALADIUMS (*Elephant Ears*). These are fine for tropical effects; look especially well when used as an edging around hardy grasses, or if planted in beds surrounded with Penisetum Grass. Plants, 20c. each; doz., \$2.00; \$15.00 per 100.

CANNAS. On pages 118 and 119 we offer a complete list of up-to-date varieties. The standard sorts of our selection in your choice of color. Extra strong plants, 15c. each; per doz., \$1.50; \$10.00 per 100.

COLEUS. The popular beefsteak plant so commonly used for edging canna and geranium beds; Vershaeffelti dark crimson, Golden Bedder, yellow. 10c. each; \$1.00 per doz.; per 100, \$6.00.

COSMOS (*Plants*). In separate colors, white, pink and red. 8c. each; 75c. per doz.; per 100, \$5.00.

DRACAENA INDIVISA (*Fountain Plant*). Attractive used as a centrepiece for a round bed, urn or vase and in cemetery work; light green foliage. 50c. each; \$5.00 doz. Large plants, \$1.00 each; \$10.00 per doz.

ENGLISH DAISY (*Bellis Perennis*). Giant Flowering Strain. (Ready in April). White, pink and crimson in bud and bloom. These are especially desirable for early spring bedding before possible to set out most other plants. Intermingled with Pansies and Forget-me-nots, (the latter being set out at the same time) they form an attractive combination. 10c. each; \$1.00 per doz.; per 100, \$7.00.

FUCHSIA (*Lady's Ear Drop*). The pretty bell flowers, both single and double, appear abundantly, if the plants are set in a semi-shaded location. 15c. each; \$1.50 per doz.; 100, \$10.00.



Choice Geranium Plants

GERANIUMS. (Large thrifty plants.) Our stock of these is usually fine.

Alphonse Riccard. Bright scarlet, double.

Beaute Poitevine. Salmon pink, double. 20c. each; doz., \$2.00; \$15.00 per 100.

S. A. Nutt. Rich crimson, double. **La Favorite.** Pure white, double.

Mme. Salleroi. Variegated leaves, used extensively for edging and for this purpose flowers should be removed, as they are too small for effect.

Rose Geranium. Grown for its scented foliage, ideal for cutting to mix with other flowers.

Price (except where noted) of any of the above Geraniums, extra fine stock, 15c. each; doz., \$1.60; \$12.00 per 100.

See also plant specialty pages for new Geranium Helen Michell.

HELIOTROPE. Desirable on account of their color, fragrance and free flowering habit. Each 15c.; \$1.50 doz., 100, \$10.00.

HYDRANGEA

HORTENSIA.

These stately plants make ideal showy effects, especially desirable for seashore. If protected in the winter they will live outdoors for years.

Otaksa. Rich pink.

Strong plants, 50c. each; dozen, \$5.00.

Large plants, \$1.00 each;

dozen, \$10.00.

Extra large

plants, \$1.50

each; doz., \$15.00.

These will all

bloom the first

year. See also

page 146 for

other Hydran-

geas of this type.



Hydrangea Otaksa

LANTANA. Ideal for massive bedding, growing 30 inches high, remaining in flower till frost; various shades of orange, pink and red in mixture only. 15c. each; \$1.25 doz.; per 100, \$9.00.

LEMON VERBENA. Scented green foliage. 15c. each; doz., \$1.50; \$10.00 per 100.

LOBELIA. Blue flowering plant, for edging and hanging baskets; when ordering state purpose for which they are desired. 10c. each; \$1.00 per doz.; per 100, \$6.00.

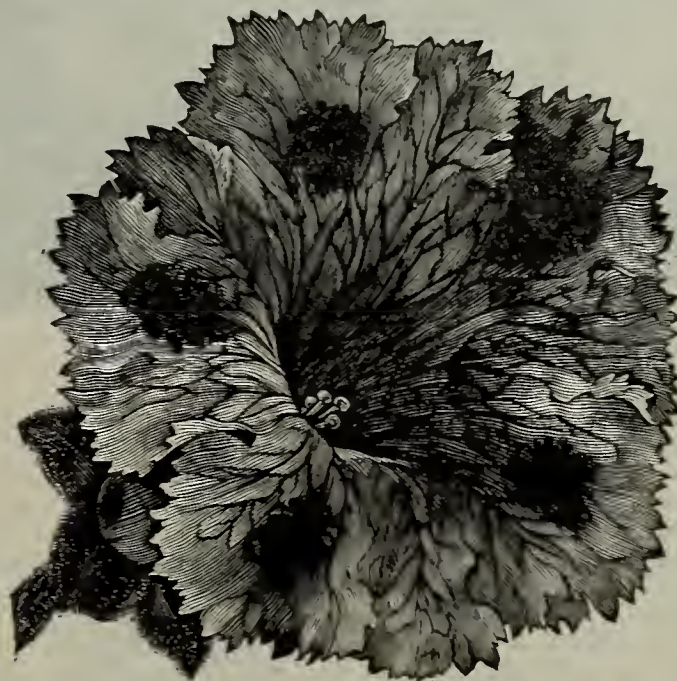
MIGNONETTE. Sweet scented; fine for cutting or bedding. \$1.50 doz.; per 100, \$10.00.

MYOSOTIS (Forget-Me-Not). Ready after April 10th. Blue, in bud and bloom, 10c. each; \$1.00 per doz.; per 100, \$7.00. Stock usually exhausted May 15th.

MYRTLE (Vince Minor). For cemetery work covering graves this hardy blue flowering plant is ideal; blooms in May. Plants are hardy. 15c. each; doz., \$1.50; \$10.00 per 100.

MUSA ENSETE (Abyssinian Banana). Excellent as centrepieces for large beds or individual specimens on the lawn; light green wavy foliage of enormous size. 50c. and \$1.00 each.

NASTURTIUMS. Dwarf varieties in mixture. 4-in. pot stock. 15c. each; doz., \$1.50; \$10.00 per 100.



Single Petunia Flower

PANSIES. It has often been remarked by customers that nowhere else can our strain of Pansies be equaled. For size of bloom and rich colors, for a number of years, we have been getting this seed from the best Pansy grower we know of, regardless of price, and he reselects constantly each year to improve the strain. Giant Exhibition Strain in bud and bloom, ready after April 1st. \$1.25 per doz.; 25 for \$2.25; 100, \$9.00. Stock usually exhausted after May 15th.

PETUNIAS.

Single Mixed, 12c. each; doz., \$1.25; 100, \$7.00. **Double,** 15c. each; doz., \$1.50; 100, \$10.00.

PHLOX DRUMMONDI. Mixed colors and separate. 10c. each; doz., \$1.00; \$6.00 per 100.

RICINUS (Castor Oil Plant). Green and bronze foliage varieties. 15c. each; \$1.25 per doz.; per 100, \$9.00.

SALVIA (Scarlet Sage). Large plants, 15c. each; \$1.50 per doz.; per 100, \$10.00.

STOCKS. 10 weeks, mixed in all colors. 15c. each; doz., \$1.50; \$10.00 per 100.

VERBENAS. Our giant flowering strain in separate colors, white, pink, purple and scarlet. 10c. each; \$1.00 doz.; 100, \$7.00.

VARIEGATED VINCA. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. 25c. each; doz., \$2.50; \$17.50 per 100.

VINCA (Periwinkle). Pink, white; pink with white eye. 15c. each; doz., \$1.50; \$10.00 per 100.

ZINNIAS. In all colors mixed. 10c. each; \$1.00 doz.; 100, \$7.00.

Michell's Superb Hardy Phlox

Should be planted in the Autumn for brilliant shows next Summer



BICOLORED VARIETIES

Europa. Blush white, with a large deep pink center, making it a very showy combination. Very new and the best in its class; the flower truss is very large, while the florets are also of gigantic size. 25c. each; \$2.50 dozen; \$18.00 per 100.

Fiancee. Pure white; frequently spotted and striped pink.

Hanny Pfeiderer. Blush white, with lavender-pink eye.

Richard Wallace. Blush white, with violet eye; very showy.

WHITE VARIETIES

Chastity. There are many good white Phloxes offered to-day, but none that we have seen can approach this novelty for its quite distinctive feature. It is one of the earliest to bloom and remains in flower as late as many other sorts. The plant itself is of medium height, extremely robust, with deep green foliage, which is crowned with gigantic flower heads of glistening white flowers, each of which is of immense size. Combining this quality with that of continuous flowering makes it of unusual value. 25c. each; \$2.50 doz.; \$18.00 per 100.

Frau Anton Buchner. Very large pure white flower truss with gigantic individual florets. It makes a fine edging for a bed of Hardy Phlox, being of a very dwarf nature. 25c. each; \$2.50 dozen; \$18.00 per 100.

Mrs. Jenkins. Of medium height with immense clusters of pure white flowers; very effective when planted in masses.

Jean d'Arc. One of the latest white flowering, and for this reason should be included in every collection.

Miss Lingard. Very valuable, because it is the earliest flowering phlox we know of, beginning in June and blooms uninterruptedly till frost; rather tall and of vigorous growth; pure white; one of the finest phloxes grown. 25c. each; per doz., \$2.50; \$18.00 per 100.

Von Lassburg. The Queen of all clear white Phloxes, trusses and single flowers are immense in size, as the plant is rather dwarf, it should always be planted in the foreground.

PINK VARIETIES

Elizabeth Campbell. Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye. Quite distinct, producing immense flower heads. 25c. each; doz., \$2.50; \$18.00 per 100.

Madame Paul Dutrie. Delicate soft pink, resembles a delicate Orchid. The flower trusses are enormous.

Gruppen Konigin. Delicate rose pink with claret-red eye, easily recognized from a distance. Most effective when grouped in masses. 25c. each; doz., \$2.50; \$18.00 per 100.

Pink Beauty. Delicate pink, with white circle; a round, dark eye.

PINK VARIETIES (Continued)

Rheinstrom. A splendid new Phlox with gigantic flowers of a bright pink. The growth is quite tall, the flowers come early and continue in bloom till frost; truly a grand variety. 25c. each; doz., \$2.50; \$18.00 per 100.

R. P. Struthers. Deep salmon pink, dark centre, very large.

Tower of Eiffel. Light salmon pink, red centre, very early.

Wm. Robinson. Carmine pink, with deep crimson eye.

RED AND SCARLET VARIETIES

Baron von Dedem (New). Deep pink, suffused orange; immense clusters. 25c. each; doz., \$2.50; \$18.00 per 100.

Coquelicot. Brilliant orange scarlet with a large truss.

Dr. Konigshofer. Brilliant orange scarlet with dark blood red eye, resembling the variety Coquelicot, but is more brilliant, and of dwarf growth. 25c. each; doz., \$2.50; \$18.00 per 100.

Embracement. Extra large, bright orange pink.

Fernand Cortez. Cerise pink, with a purple eye.

General von Heutsz. This produces immense trusses of enormous flowers, which are of a delicate salmon scarlet, surrounded with a lavender eye, which is edged white.

Goliath. A distinct variety of attractive appearance; a tall grower, attaining a height of 3 feet. The flower trusses are large, of a bright cerise color with deep eye.

Gen. Chanczy. Orange, suffused scarlet; purple eye.

Matador. Cherry red, crimson eye; dark foliage.

Montagnard. Dark purple claret; large spikes and flowers.

Madame P. Langier. Brilliant red with a dark eye.

Von Hochberg. Rich deep crimson.

PURPLE AND LAVENDER VARIETIES

Asia. Rich shade of mauve. This is one of the finest of the newer kinds. The color is entirely distinct and must be seen to be appreciated. 25c. each; \$2.50 dozen; \$18.00 per 100.

Africa. Rich royal purple, suffused crimson. This shade in phlox is much in demand. 25c. each; \$2.50 dozen; \$18.00 per 100.

Eugene Danzanvilliers. Delicate lavender; very attractive and decorative color; immense flowers. The peer of its color.

Le Mahdi. Most of the phloxes as they were known years back were all of a blue shade known as Magenta, a color which is hideous to many people. Of the shades of blue offered to-day, there are many which again approach Magenta. For this reason we highly recommend this sort for its splendid coloring, namely, a royal deep purple.

Various other hardy Phloxes will be found among the pages of perennials in alphabetical order.

Price of any of the above Phlox, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100

HARDY PHLOX IS A BIG SPECIALTY WITH US



Michell's Gorgeous Hardy Phlox

Make handsome shows from early summer till frost

KEY: 1 Mrs. Jenkins 2 LeMahdi 3 R. P. Struthers 4 Richard Wallace 5 Matador
STRONG PLANTS to bloom first season, each 15c., \$1.50 a dozen, 100 for \$10.00

MICHELL'S SUPERB ROSES



KEY:

- 1 Molly Sharmen
Crawford
- 2 Leuchtfeuer
- 3 Mrs. Aaron Ward
- 4 Etoile de France
- 5 Jonkheer
J. L. Mock

STRONG POT GROWN PLANTS of the Above HYBRID TEA ROSES

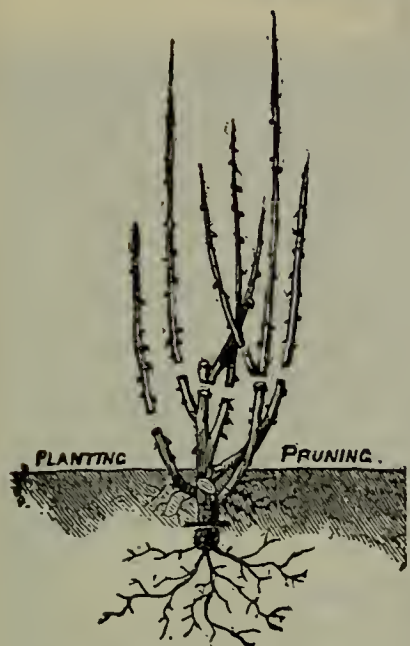
75c. EACH

DOZEN, \$7.50

\$50.00 per 100

SPECIAL OFFER: ONE EACH OF THE ABOVE ROSES FOR \$3.50

Our stock in this line will be found of unusual vigor and value. The soil that we use for potting them is especially prepared and seems to contain peculiar elements which induce extra strong growth. The field-grown stock is potted late in the autumn after the wood is thoroughly ripened. They are plunged in the sand to prevent the roots from drying out at any time. Then they are placed in specially constructed glass houses without heat. In this manner they winter over under natural conditions, until planted in your own garden. Roses handled after this fashion cannot help to give greatest satisfaction to the purchaser.



Note the proper way to plant and prune a rose bush. See the separation where the pruning is indicated.

SPECIAL DIRECTIONS FOR PLANTING ROSES

Open a good space in the soil and spread out roots; never cramp them into a small hole. Do not let manure come in contact with roots but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above ground; the weaker growth to 4 inches. Observe the illustration opposite for pruning and depth of planting: All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer. Spray as soon as growth commences and continue once a week with "Bordeaux-Arsenate," see page 218. The only remedy against the rose-bug is Readeana, this positively destroys them and does not injure the flower or blossom. (See page 217). See page 224 for books on Rose Culture.

NEW HARDY EVERBLOOMING HYBRID TEA ROSES

BRITISH QUEEN (McGredy).

We have taken the raiser's description of this new white rose. Experts who have seen British Queen growing agree that it is the finest white Rose in existence, surpassing in beauty and elegance of form all other white varieties. The freedom with which it blooms is remarkable. It is in flower from June until winter, and on well cultivated plants the blooms are a model of perfection. The type of flower is between White Maman Cochet and Frau Karl Druschki, with Tea Rose form and refinement; frequently in the bud state it shows a slight flush; this disappears as the flower opens to the purest whiteness. It is a good grower and sweetly scented. Awarded a Gold Medal by the National Rose Society of England. Price, extra strong plants, \$1.50 each.

EARL OF GOSFORD (McGredy).

A splendid dark crimson rose, much after the style of Victor Hugo, an erect grower, bearing its flower on strong stiff stems; this is very fragrant and sure to become one of the most popular roses grown; color a rich deep crimson. Price, \$1.50 each.

GEORGE DICKSON (Dickson & Son).

Messrs. Dickson, the well-known Irish growers, say: "This is the best rose ever raised by us." We append a description by the raisers which we can fully endorse after having tried it out in 1913. "The Rose is named after the senior member of our firm, who is now approaching his eightieth birthday. We are quite satisfied that within two years George Dickson will be the most popular exhibition Rose in existence. As near as we can describe it, the color is a velvety-black crimson, the back of the petal being heavily veined with deep pure crimson-maroon. The petals are of splendid shape; of magnificent substance; delightfully smooth, and built to make the form of flower perfection. We have regularly had blooms of the highest exhibition standard quite five inches across. It has wonderful lasting qualities, not only as to the retention of its color, but also in its shape and freshness. Awarded the Gold Medal of the National Rose Society of England, besides many other first awards at various shows in England." Strong two-year-old plants, \$1.50 each.

HT MILADY.

A vigorous grower with heavy, leathery foliage. The flower in form and fragrance resembles Jacqueminot, but it has the rich dazzling red color of Richmond. There was much publicity over this variety last year, and it was conceded by all who had seen it to be the finest red rose ever produced. Strong plants, which will bloom freely the first year 75c. each; doz., \$7.50.



Hybrid Tea Rose, *British Queen*

HT MRS. GEORGE SHAWYER.

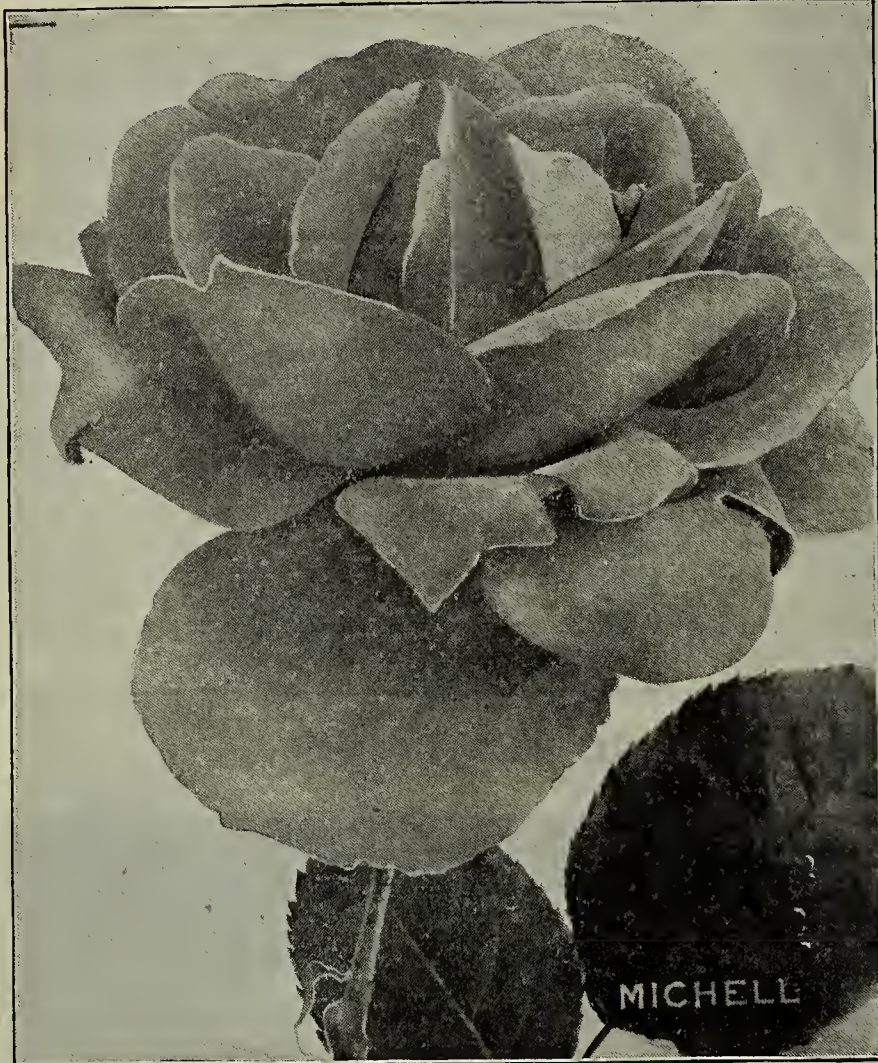
An introduction of 1913 and reputed to be the finest pink rose without a fault. It is wonderfully free flowering, even more so than Killarney. It is a strong, vigorous grower, with massive flowers, and a variety that should be included in every collection of roses. Extra strong plants, \$1.50 each.

SPECIAL NOTE—If 25 or more Roses are ordered at one time, same will be supplied at the 100 rate, this of course applies where rates are quoted per 100 on the price roses selected.

Plants Travel Best by Express or Freight. No Plants sent C. O. D.

MICHELL'S SUPERB POT-GROWN ROSES

EVERBLOOMING HYBRID TEA VARIETIES



Hybrid Tea Rose, Joseph Hill

PINK VARIETIES

HT Jonkheer J. L. Mock. One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer. 75c. each; per doz., \$7.50.

HT Killarney. In shape nothing can approach this beautiful rose, its long perfectly shaped bud which on the outside is of a delicate pink unfolds a flower with a deeper pink on the inside.

HT La France. Satiny rose, with reflexed petals, which are of a darker pink on the reversed side.

HT Lady Ashtown. Delicate rose with a trace of yellow at the petal base. The outer flower leaves expand, while the centre petals remain in exquisite bud form.

T Maman Cochet (Pink). In the vicinity of Phila. this rose is grown perhaps more than any other on account of its many good qualities. The individual large flowers are often on stems 2 feet long which makes it grand as a cut flower. The shade of color is a "Bridesmaid Pink."

HT Mme. Abel Chantenay. Carmine rose, shaded deep pink. A strong grower and free bloomer, producing an exquisite bud.

HT Mme. Caroline Testout. One of the oldest and best varieties. The flowers are of a bright satiny rose shaded deeper in the centre; bud and flower are open or cup-shaped and are very double.

HT Mme. Jules Grolez. A flower with an extremely long pointed bud and of a delicate silvery rose, tinted yellow at the base; very hardy and desirable.

HT Mrs. Charles Custis Harrison. This is one of Alex. Dickson & Son, famous Irish Rose Growers. The flowers are enormous, somewhat globe shaped and very full. It is produced on long stiff stems. The flower petals on the front are deep pink, while the reverse is a carmine pink shade. Extra strong plants, 75c. each; per dozen, \$7.50.

HT Mrs. David Jardine. Immense double flowers are borne on straight long stalks abundantly all summer, but especially free during June and late in the fall, preferring the cooler weather. Color is a magnificent rose-pink, shaded lighter toward the edges. 60c. each; per doz., \$6.00.

See opposite page for other pink varieties.

With proper care these will flower uninterruptedly and profusely from June till heavy frosts. Their foliage is leathery and very clean; the flowers are borne on strong, extra long stems, their fragrance is deliciously sweet. While they are generally absolutely hardy and do not require any more protection than any other rose, still we recommend a covering of long old manure, leaves or straw during the winter. Varieties marked HT are more hardy than the varieties marked T, which indicates the old-fashioned Tea sorts. The latter, on the other hand, flower a trifle more freely. Though no disappointment would follow in a selection of either type exclusively. We have been able to cut masses of splendid flowers from these as late as November 1st at our Evergreen Seed Gardens. *All Hybrid Tea Roses offered by us are 2-year-old, extra strong stock.* When shipped by *express or freight* we usually (unless instructed to the contrary) transfer the plants from earthen pots to paper pots which ensures them arriving with the soil intact, and effects quite a saving in transportation charges.

PINK VARIETIES

HT Antoine Rivoire. Exceptional bedding variety of excellent shape; flesh pink, shaded dark pink with a yellow cast at the base of the petals.

HT Betty. A strong vigorous grower, with deliciously fragrant flowers of a coppery rose color, shaded golden yellow, very free. Extra Strong Plants. 60c. each; doz., \$6.00.

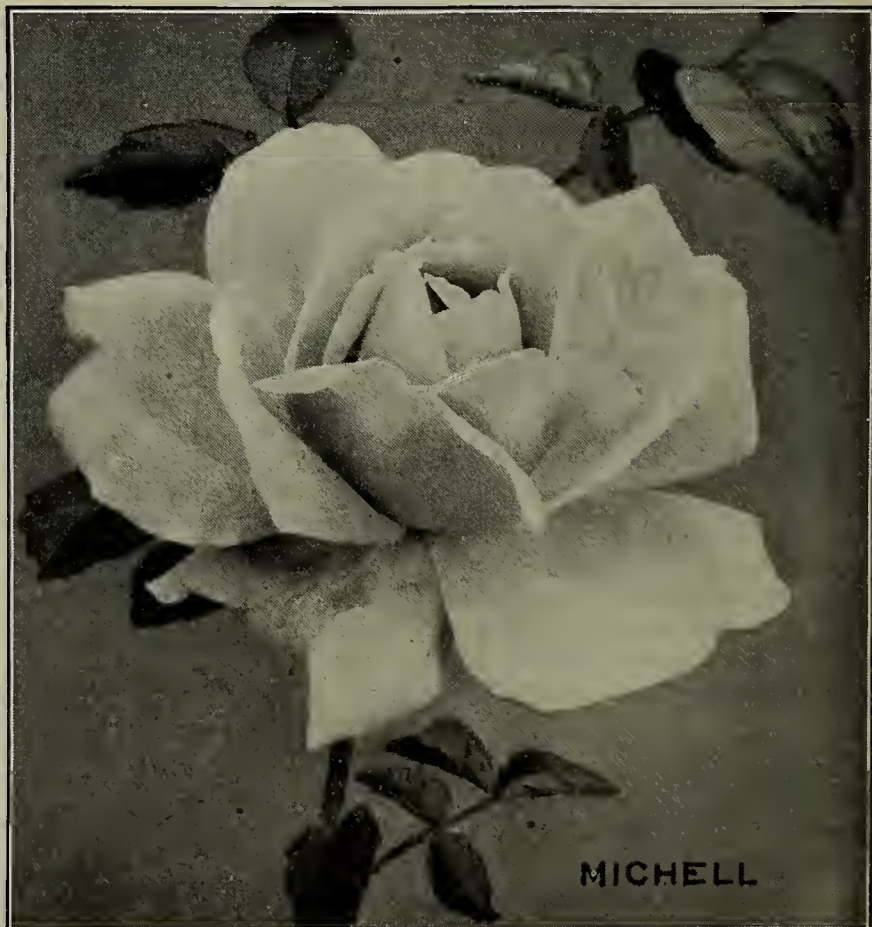
HT Dean Hole. One of the best roses for midsummer, being loaded with flowers during July and August. The color is very attractive, being deep salmon pink with tremendous flowers.

HT Duchess of Westminster. One of the newer varieties, introduced by Dickson & Sons. The large perfectly formed flowers with a delicate pointed cup are richly scented. It is a strong growing, free flowering variety of clear rose, pink shade. \$1.00 each; per doz., \$10.00.

HT Farben Konigin. Brilliant pink; flower of an enormous size, making an elegant show.

(Bourbon T) **Hermosa.** Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery plantings.

HT Jos. Hill. Splendid as a cut flower, also deliciously fragrant; the color is a pleasing shade of salmon, turning to pink. 60c. each; per doz., \$6.00.



Hybrid Tea Rose, Pink Killarney

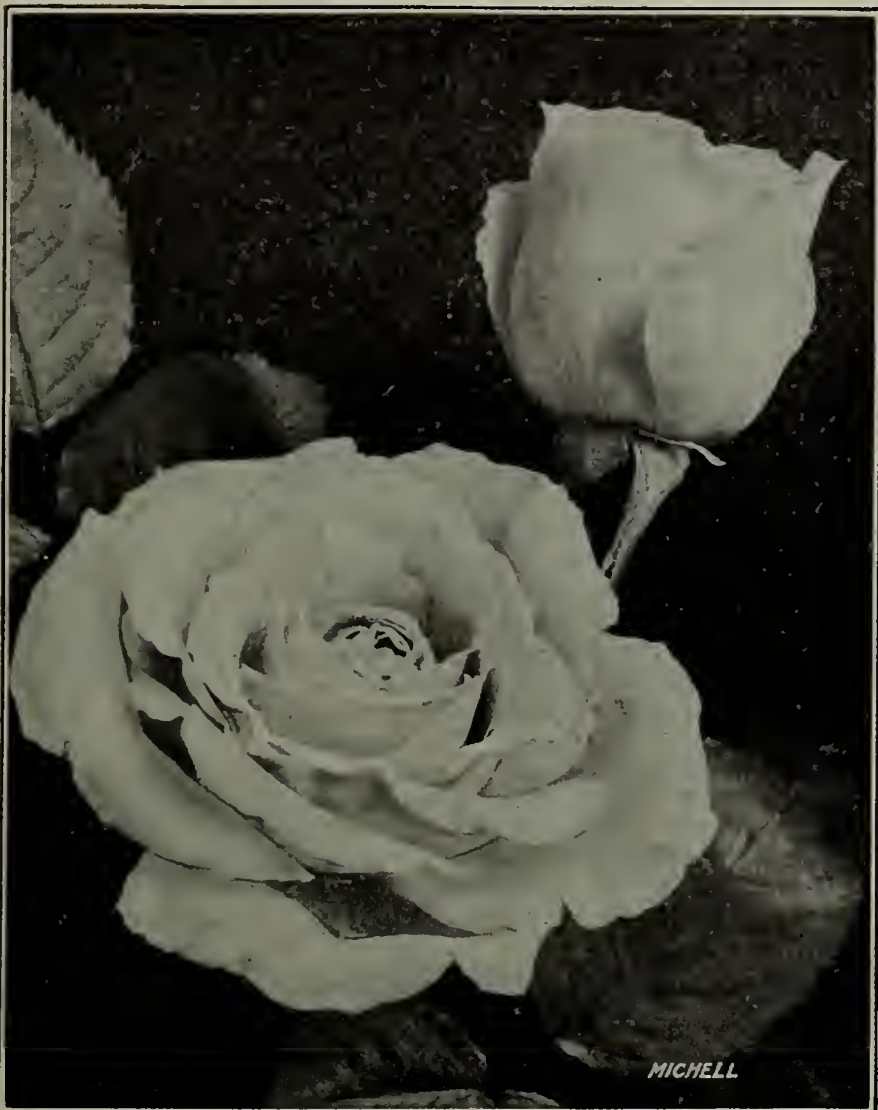
MICHELL'S SUPERB POT-GROWN ROSES

141

EVERBLOOMING HYBRID TEA VARIETIES (Continued)

RED VARIETIES

- HT Chateau de Clos-Vougeot.** Rich fiery scarlet, which changes to velvety crimson as the flower becomes older. A rose that will bloom all season. 75c. each; per doz., \$7.50.
- HT Edward Mawley.** One of the finest of the velvety crimson varieties in size, shape and color. It has all the good qualities a Hybrid Tea Rose can possess. \$1.00 each; per doz., \$10.00.
- HT Etoile de France.** Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open into an extra large flower. 75c. each; per doz., \$7.50.
- HT Gen. MacArthur.** Recommended as the best deep scarlet rose in existence. The fragrance is delightful and blooms, even under most unfavorable conditions, are produced in great number.
- HT George C. Waud.** A rich shade of vermilion, shaded towards orange. The graceful pointed buds develop into a beautiful, full flower. It is very hardy and free. 60c. each; per doz., \$6.00.
- HT Gruss an Teplitz.** This is often termed the reddest of the red roses. The foliage, which takes on a coppery red color, is almost hidden with masses of flowers, the centre of which are light red, while the outer petals are crimson red.
- HT Laurent Carle.** Carmine red; very fragrant, with large perfect flowers, which are produced all summer long.
- HT Leuchtfeuer.** A most brilliant fiery crimson, which looms up amongst any surrounding colors. This is a real beauty and will be sure to please the planter. 75c. each; \$7.50 per doz.
- HT Neervelt.** A brilliant red; exquisite bud, develops a flower of unusual beauty. 75c. each; per doz., \$7.50.
- HT Richmond.** A beautiful variety, a rich shade of crimson. should be in every collection, as nothing approaches it in form for this color.



Rose, Mildred Grant (See Below)

PINK VARIETIES (Continued)

- HT My Maryland.** Perfect form and exquisite fragrance. Salmon pink shade, which becomes lighter as the flower opens. It is an elegant grower, and sure to please. 60c. each; per doz., \$6.00.
- HT Prince de Bulgarie.** In this rose one will find a combination of colors that is not duplicated in any other; delicate flesh pink shaded deeper in the centre and suffused salmon. The flowers are extremely large and very double. 60c. each; doz., \$6.00.
- Bourbon T Souvenir de la Malmaison.** One of the old garden favorites, flowering from early in the season until snow. The flowers are very double deep flesh colored in the centre running to a light pink towards the outer edge. For cemetery planting no variety equals this one.
- HT Souvenir de President Carnot.** Handsome large flower on a stiff erect stem. Easily one of the best in the Hybrid Tea class. Color a delicate soft-pink changing to white.
- HT Wm. Shean.** Delicate pink; a large full flower of great size. Continuous bearing throughout the season in profusion of blooms. 60c. each; per doz., \$6.00.

WHITE VARIETIES

- HT Bessie Brown.** Free flowering, vigorous grower with gigantic, fragrant flowers. Cream white shade.
- HT Florence Pemberton.** The flower is of exquisite shape, oblong with a curve towards the top; very double, of a creamy white, suffused with pink.
- HT Kaiserin Augusta Victoria.** The best pure white rose, always borne on extra long stems, which makes it suitable for cutting; the form is perfect both in bud and when open and it is by far the most constant blooming rose during the summer.
- HT La Hollande.** Beautiful white, tinted rosy yellow. Shape of flower like La France. A fine novelty. \$1.00 each.
- T Maman Cochet (White).** The exact duplicate of the Pink Cochet except in color, which is white, occasionally tinted pink.



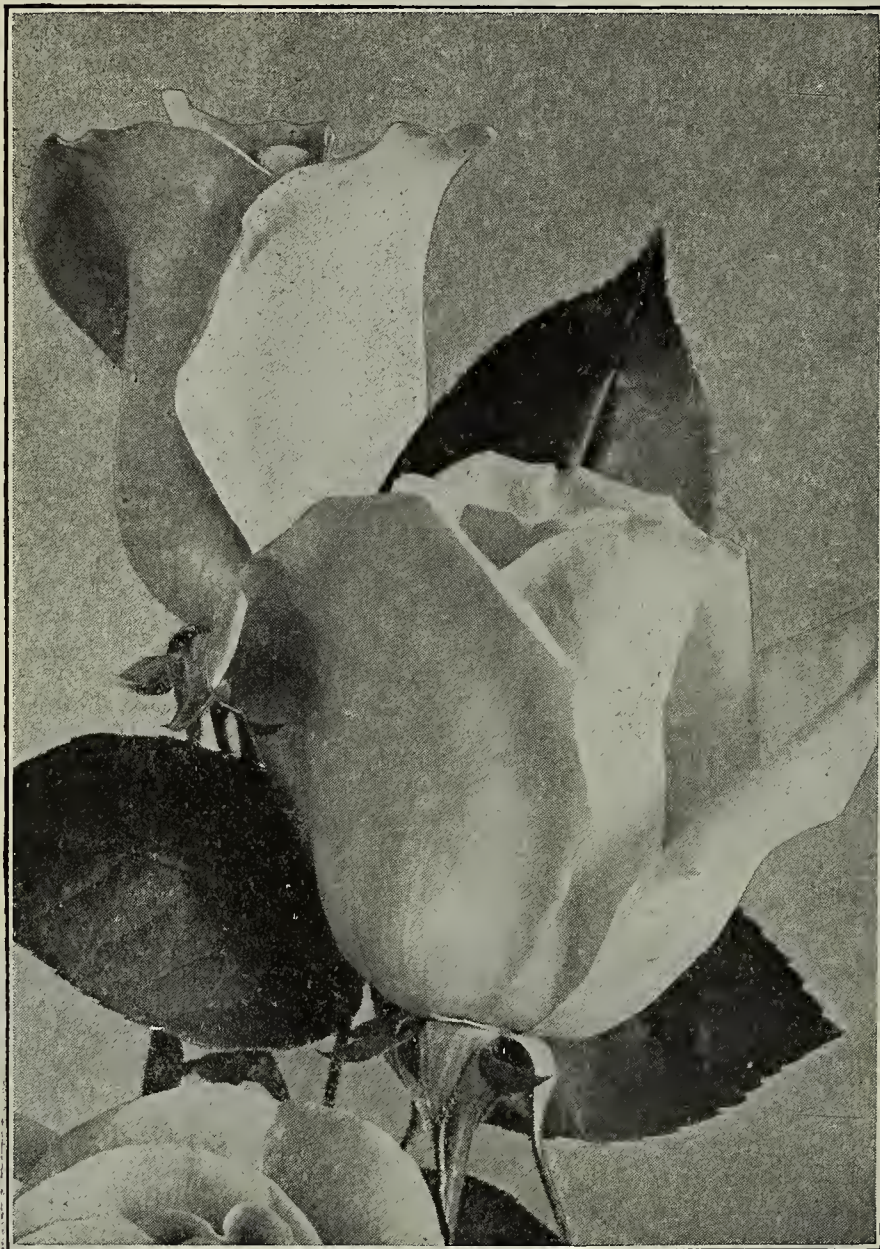
Rose, Mrs. Jardine (See page 140)

WHITE VARIETIES (Continued)

- HT Mildred Grant.** Superb for mid-summer blooming. The bud is of unusual depth, coming to a sharp point at the top. The flower opens perfectly, the color being blush white with a faint shade of apple blossom pink; splendid for cutting.
- See page 142 for other white varieties.

MICHELL'S SUPERB POT-GROWN ROSES

EVERBLOOMING HYBRID TEA VARIETIES (Continued)



Rose, *White Killarney*

WHITE VARIETIES (Continued)

T Molly Sharman Crawford. On opening, the flower is cream colored, which, as the bloom expands, turns to a pure white. We regard it as one of the finest white Tea Roses. 75c. each; per doz., \$7.50.

HT White Killarney. Like its sister it is of peculiar shape; long and pointed when in bud; while the flowers are pure white, they are occasionally flushed pink on the outer edge; although the blooms show but few petals, the open flowers are exceedingly attractive on account of the enormous petals. 60c. each, doz., \$6.00.

YELLOW VARIETIES

T Etoile de Lyon. A very fine flower and bud of sulphur yellow shade, does exceedingly well in the hottest kind of weather.

HT Franz Deegen. A rich yellow orange, darker in the centre. Deliciously fragrant.

T Harry Kirk. The flowers are large, very double, of a deep canary color, edged with sulphur; free bloomer and one of the "Gold Medal type." 60c. each; per doz., \$6.00.

T Lady Hillingdon. Deep coppery yellow and an attractive long bud. In this color there are few roses as good. It is very free in growth and a continuous bloomer. 75c. each; per doz., \$7.50.

HT Le Progres. Dark yellow when the bud begins to open, which afterwards develops a large pale yellow flower.

HT Madame Ravary. A remarkable color, deep Nankeen yellow turning lighter toward the centre; a large double flower.

YELLOW VARIETIES (Continued)

HT Margaret Guillot. Cream white, passing to pure white. Highly fragrant and one of the best of the Hybrid Teas. 60c. each; per doz., \$6.00.

HT Marquise de Sinety. Light orange yellow with lighter outer petals. The centre is shaded a coppery red, indeed the color is one hard to be described. Must be seen to be appreciated. 75c. each; per doz. \$7.50.

HT Mme. Jenny Gillemot. Delicate pale yellow, blended carmine; rich color combination. The flower is large and fragrant.

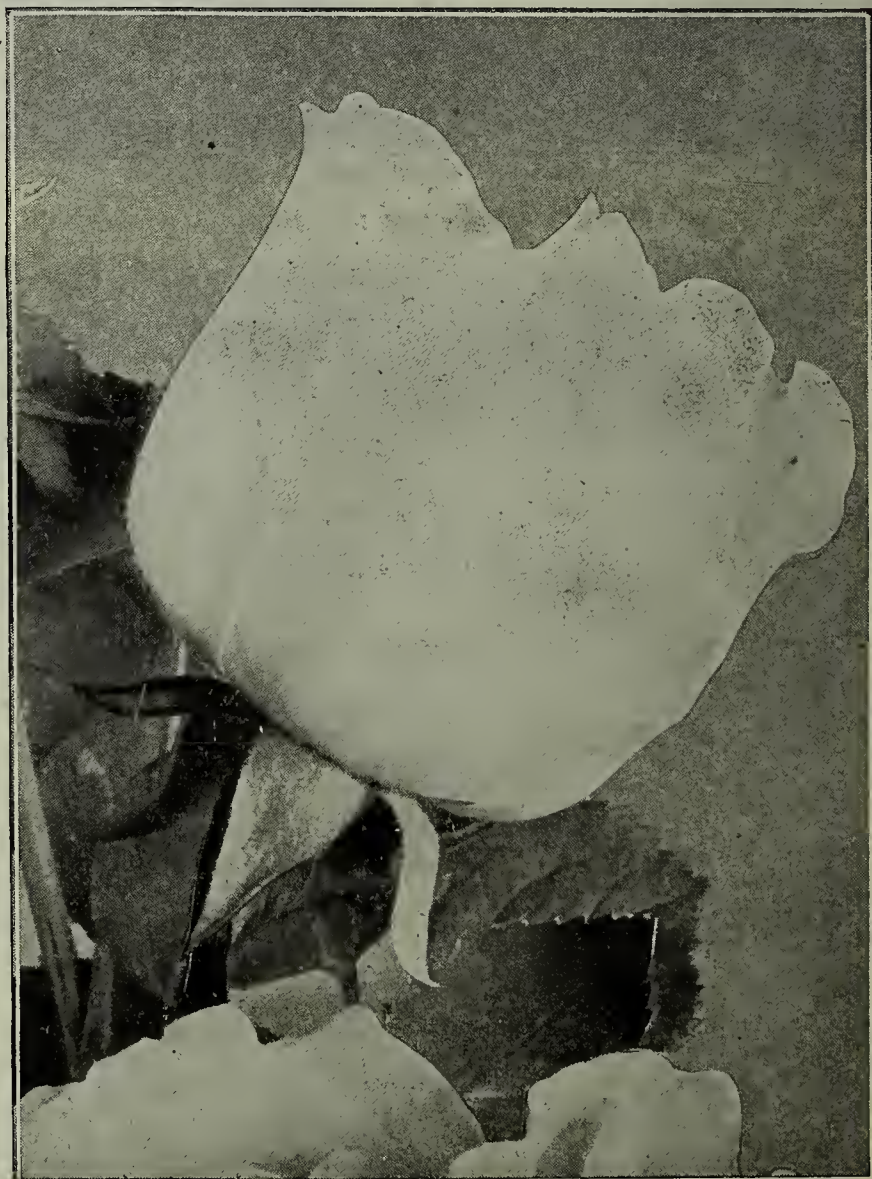
HT Mrs. Aaron Ward. A conspicuous rose on account of its coloring which is new; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are very exquisite. 75c. each; per doz., \$7.50.

HT Mrs. Peter Blair. Extremely free, delightfully fragrant; this chrome yellow rose is beautiful in buds, while when open it has but few petals. 60c. each; per doz., \$6.00.

T Perle des Jardins. The only true pure yellow rose. The bud and flower are of medium size, borne on slender wavy stems; extremely desirable on account of its true tea rose fragrance. It should be protected during the winter. 60c. each; per doz., \$6.00.

T Souv. de Pierre Notting. A splendid variety on account of its freedom of bloom, which extends through the whole season. The color is an apricot yellow, blended a copper shade.

HT The Lyon. Easily recognized by its wonderful color, which is a warm coral red with a buff yellow base; the flowers are immense in size and are cup-shaped, both bud and open flower are very attractive.



Rose, *Bessie Brown* (See page 141)

Any Roses on this Page, except where noted, (extra strong plants) 50c. each; \$5.00 dozen; \$35.00 per 100



Hybrid Perpetual Rose, Mrs. John Laing

AUSTRIAN BRIARS AND HYBRIDS

Rather a distinct class, being of wonderfully strong growth, and flowering in the early summer and again somewhat in the late summer and early fall.

Juliet. This rose is a favorite wherever seen, and cannot fail to give satisfaction, in Britain it is one of the principal cut flower varieties. The color is a rich vermilion red, the reverse of the petals are old gold, it is a strong erect grower and delightfully fragrant. *Strong 2 year old plants, 50c.; \$5.00 dozen.*

Persian Yellow. Very hardy, producing medium sized flowers of a rich deep yellow. Very double. *Strong 2 year old plants 50c. each; \$5.00 dozen.*

Soleil d' Or (Golden Sun). Varies from golden orange to reddish gold, large, full, perfectly double flowers and a continuous bloomer. *Strong 2 year old plants 50c. each; \$5.00 doz.*

Michell's Automatic Compressed Air Hand Sprayer



Particularly adapted for applying "Readeana" and other liquid Insecticides. By reason of its easy operation we recommend it especially to ladies, who do their own

flower gardening. It is far in advance of the ordinary hand sprayer, and we are safe in saying that the user would not part with it for ten times its cost, if he could not get another.

Heavy Tin, \$1.00 (postpaid \$1.15). **Heavy Brass, \$2.00** each (postpaid, \$2.25).

HYBRID PERPETUAL SORTS

All roses offered by us are *extra strong 2-year-old, extra selected for size and shape* and furnished by us from large pots. Such roses will give a *full crop of flowers this season*. Hybrid Perpetual Roses produce their main crop in June and frequently some good flowers in the fall.

PINK VARIETIES

American Beauty. The rich deep pink, with an odor entirely distinct. With a little care such as watering in dry weather and a covering of manure in winter these live for years.

Baroness Rothschild. Soft delicate pink, very large.

Captain Christy. Delicate flesh pink, very free.

Clio. Delicate flesh color, shaded deep pink in the centre. The flower is very large and of shapely form.

Madame Gabriel Luizet. Pale pink, very sweet.

Magna Charta. One of the largest; color deep pink.

Mrs. John Laing. Soft pink, very fragrant and large.

Mrs. R. G. Sharman Crawford. The finest light pink rose.

Paul Neyron. The largest of all roses, deep rose.

RED VARIETIES

Fisher Holmes. Bright scarlet, shaded deep maroon.

General Jacqueminot. The old favorite; velvety crimson flowers.

Prince Camille de Rohan. Deep velvety crimson maroon.

Ulrich Brunner. Bright cherry red, flowers large and full.

WHITE VARIETIES

Frau Karl Druschki. An exquisite flower of the purest white.

Margaret Dickson. A very large, pure white; the best of its color in the Hybrid Perpetual class.

Price of any of the above extra strong, two-year-old plants, *50c. each; \$5.00 per doz., per 100, \$35.00.*

ROSA RUGOSA (Japanese or Shrubbery Rose)

Very robust with deep green puffed foliage and produces semi-double and double flowers in profusion during June. In fall and winter the plants are covered with bright red, large berries; an excellent plant for a shrubbery bed or a solid hedge. Each Dozen

Alba. Single white	\$0.40	\$4.00
Blanc Double de Coubert. Large double pure white	.50	5.00
Conrad Ferd. Meyer. Double, light pink.....	.50	5.00
Rubra. Crimson Carmine, single.....	.40	4.00

ROSA WICHURIANA (The Creeping or Memorial Rose)

The long slender stems which are completely dressed with small glossy deep green foliage trail to any rock, ground, trellis or wire and often grow 20 feet in one year. During their flowering season the foliage is entirely hidden by the wealth of fragrant blossoms. For cemeteries they are ideal, as they flower about the end of May. Rockeries, terraces and bare spots in gardens cannot be more readily beautified. We send out extra strong plants only.

Alba Rubraefolia. Large, double pure white flowers, Each Dozen the shining green foliage is tinged with bronzy red..\$0.50 \$5.00

Gardenia. Buds bright yellow, open double cream-colored flowers40 | 4.00 |

Wichuriana Type. Single white flowers..... .40 | 4.00 |

DWARF OR BABY RAMBLER ROSES

This class is ideal for bedding, as they flower continuously from June 'till severe frosts overtake them. In height they seldom exceed 24 inches and are very bushy. At times the whole plant is a mass of bloom. Edging rose gardens with these is a distinct feature. We offer the 6 best varieties.

Crimson Baby Rambler (Mad. Norbert Lavavasseur) Exactly like the climbing Crimson Rambler in color and form.

Erna Terschendorff. The true scarlet Baby Rambler, decidedly the best colored one in this class and holds its color for a long while, without fading.

Jessie. Rich cherry red flowers with a white centre.

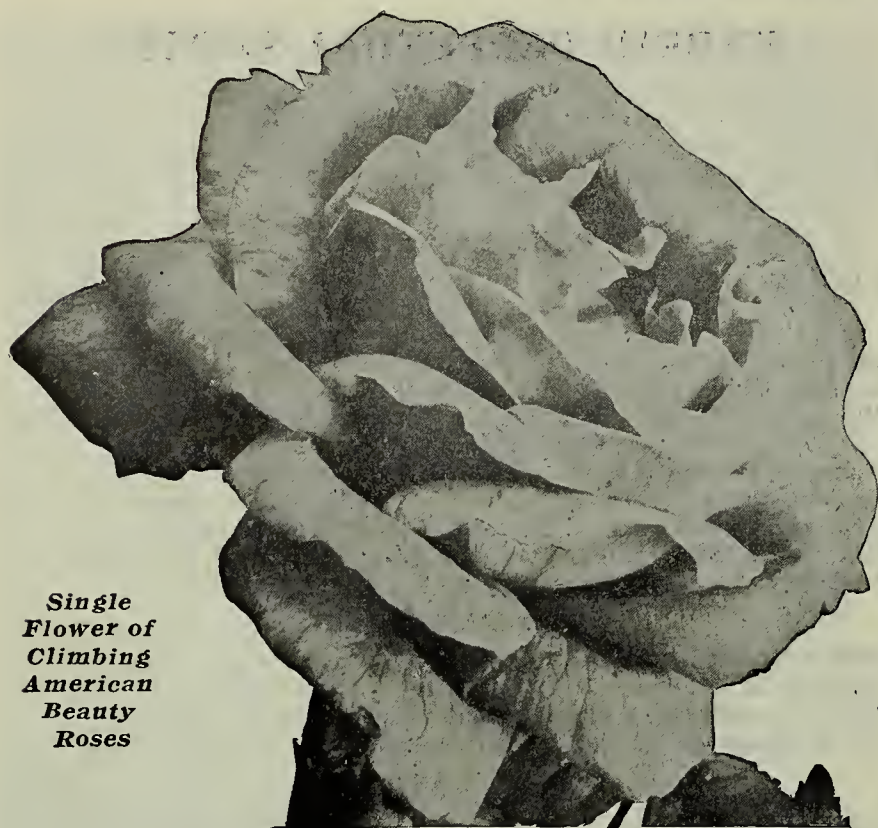
Phyllis. Beautiful cerise pink, flowers in great clusters on a very symmetrical bush.

Pink Baby Rambler (Mrs. W. Cutbush). Beautiful clear pink of delightful shade; extremely free and of compact growth.

White Baby Rambler (Catherine Zeimet). Pure white, very free bloomer and of compact habit.

Price of any of the above Dwarf Ramblers (in extra strong plants), *50c. each; doz., \$5.00.*

144 MICHELL'S SUPERB POT-GROWN CLIMBING ROSES



Single
Flower of
Climbing
American
Beauty
Roses

CHRISTINE WRIGHT

One of the new varieties, and a cross between the popular Hybrid Tea, Caroline Testout and a seedling. This rose when more widely known will be extensively planted. The color of the flower is a bright rose-pink, measures $3\frac{1}{2}$ to 4 inches across, is of perfect form, beautiful in the bud and acceptable in the fully developed flower. During June it is at its best, but continues to give flowers throughout the entire season. This is sure to give satisfaction. We offer **Extra Strong Plants at 75c. each; doz., \$7.50.**

AMERICAN PILLAR. Single, flowers large, $2\frac{1}{2}$ to 3 in. in diameter, of a rich shade of pink with a distinct white centre, produced in immense clusters, being very showy and attractive. The growth is exceptionally strong, foliage a shiny dark green, and insect proof. An additional attraction in autumn are the clusters of red seed berries. **Strong 2-year-old Plants, 50c. each; \$5.00 doz. Extra Strong Selected Plants, 75c. each; doz., \$7.50.**

BALTIMORE BELLE. An old favorite with blush flowers, borne in large clusters. **Strong 2-year-old Plants, 50c. each; doz., \$5.00.**

CRIMSON RAMBLER. This well-known variety produces in abundance large clusters of crimson flowers. **Strong Plants, 50c. each; doz., \$5.00. Extra Strong Plants, 75c. each; doz., \$7.50.**

DOROTHY PERKINS. Pink flowers in long sprays which are very fragrant and lasting; a deservedly popular rose. **Strong 2-year-old Plants, 50c. each; per doz., \$5.00.**

EXCELSA (The Crimson Rambler par excellence). This variety supersedes to a great extent the older Crimson Ramblers, not only by reason of its intense crimson-maroon flowers, which are tipped with scarlet and are very large for a rose of this type, but because of its healthy lustrous foliage, which is free from mildew. It is a very free-flowering rose, its blossoms breaking from almost every eye in clusters of from 30 to 40 flowers. **Strong Plants, 75c. each; \$7.50 doz.**

FLOWER OF FAIRFIELD (The everblooming Crimson Rambler). Exactly like the Crimson Rambler in appearance, except Flower of Fairfield blooms periodically during the summer. It is very vigorous; many new growths made each season. **Extra Strong Plants, 75c. each; doz., \$7.50. Strong Plants, 50c. each; \$5.00 doz.**

Since the introduction, some 18 years ago, of the popular Crimson Rambler, these roses have made rapid strides in popular favor. A great number of varieties have been put on the market since then, some of which we have found by careful trial to be of exceptional merit. They are of strong, robust growth, often making shoots 20 feet long in a single season, and when in flower are truly a magnificent sight. We offer only the best sorts in heavy 2-year-old plants.

CLIMBING AMERICAN BEAUTY

A rose which has come to stay. Climbing American Beauty is a decided acquisition, possessing the rosy crimson color of one of its parents (American Beauty), and also its very delightful fragrance. We have here a combination of qualities very rarely found in this class of Roses, and when it is taken into consideration that it often makes canes 15 feet long in a season, that the flowers are $3\frac{1}{2}$ to 4 inches in diameter and produced in great profusion, not only during May and June, but off and on all summer. One who desires to grow climbing roses cannot well be without this one. **Extra Strong Plants, 75c. each; doz., \$7.50.**

TESTIMONIALS ON MICHELL'S ROSES

Chester, Pa.,

The roses you shipped me were extra fine and especially received in good condition.

B. G. Lodomus.

Washington, D. C.

The roses arrived in fine shape and were in extra good condition. I am very much pleased with them indeed, especially for the care you used in filling my order.

F. L. Schultz.



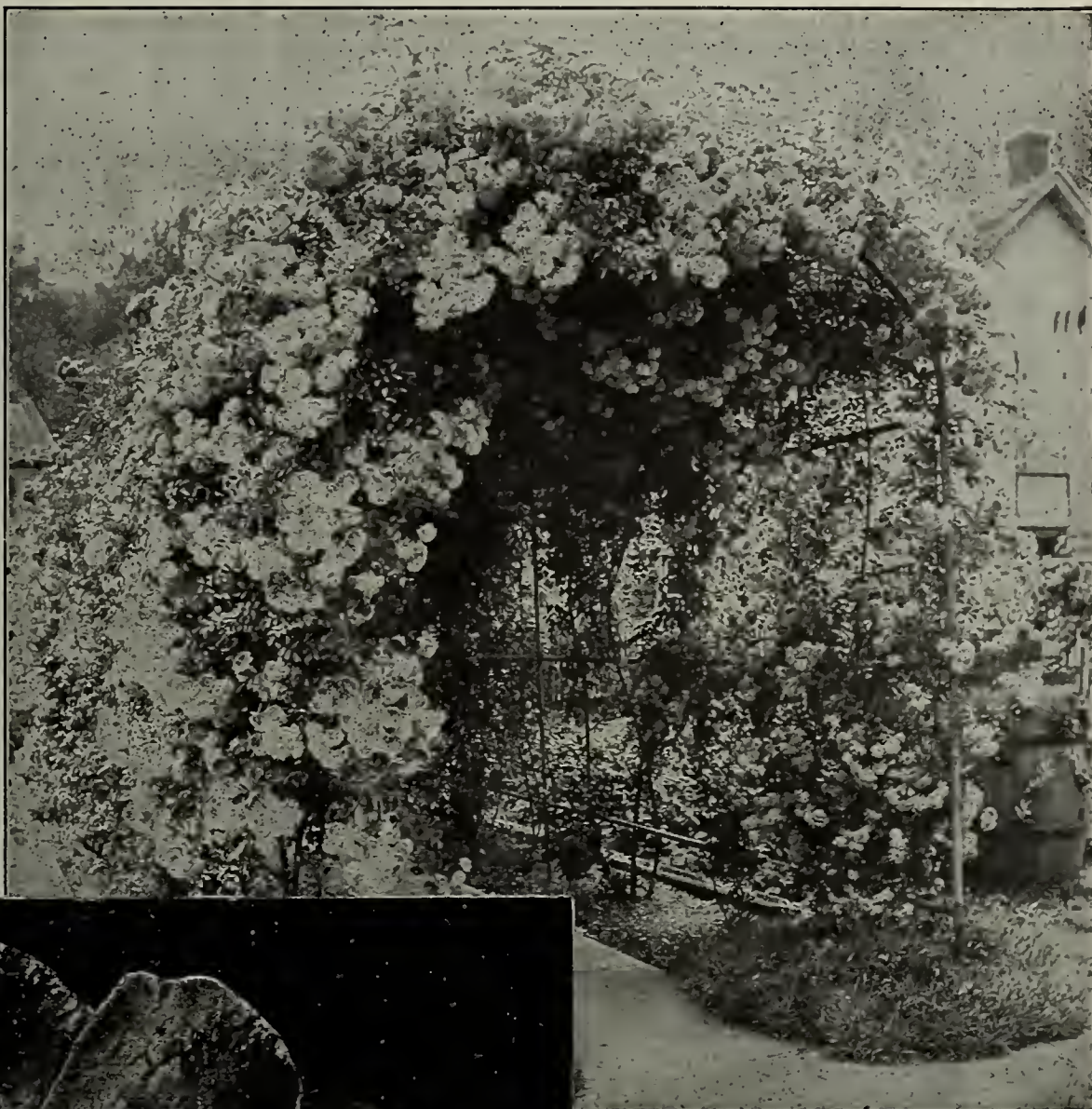
Climbing Rose "Lady Gay"

Our Roses Are Extra Large and Can Be Shipped via Express or Freight Only. No Plants sent C. O. D. (hc)

HIAWATHA. Single brilliant scarlet, with a yellow circle around the centre, flowering in large clusters. Most dazzling and effective. The foliage is retained until very late in autumn and always presents a clean, bright green, healthy appearance; should be on every pergola, though it is attractive when supported on a single stake. **Strong Plants, 50c. each; \$5.00 doz.**

LADY GAY. Cherry pink buds, which when open are of a soft white color; very free flowering and an extremely useful variety. **Extra Strong Plants, 50c. each; \$5.00 doz.**

TAUSENDSCHON. We cannot too highly recommend this rose on account of its free-flowering qualities and its exquisite shade of soft pink, which changes to a rosy carmine when fully open. These flowers are borne in large sprays of from 10 to 15 flowers each, individual flowers measuring quite 3 inches across. For pergola planting or as a pillar rose it has few equals. **Extra Strong Plants, 50c. each; \$5.00 doz.**



An effect like this can be produced in a few years by planting our Hardy Climbing Roses

WHITE DOROTHY, Perkins. This is the best white Rambler Rose yet introduced, being an exact counterpart of Pink Dorothy Perkins in every respect, excepting color; a desirable rose. **Extra Strong Plants, 50c. each; \$5.00 doz.**

YELLOW RAMBLER. Yellow in bud, turning lighter when fully open. Slightly fragrant, vigorous and free. **Extra Strong Plants, 50c. each; \$5.00 doz.**

GIANT SINGLE CLIMBING ROSE AMERICAN PILLAR

As a general thing single roses are not much in demand, but the wonderful beauty and free-flowering qualities of this one easily places it in the front rank. The brilliant pink, almost red flowers are exceedingly handsome and produced in great clusters. The foliage which is beautiful dark green, is of itself an attraction. Mildew and insect pests do not bother this variety. For planting against pergola pillars, it is exceptionally desirable, as it makes a great growth in one season. **Strong 2 year old plants 50c. each; per doz., \$5.00; extra strong selected plants, 75c. each; per dozen, \$7.50.**



Climbing Rose, American Pillar

MICHELL'S HARDY HYDRANGEA HORTENSIS

THE IDEAL PLANT FOR THE SEASHORE LAWN

This class of Hydrangea is the one which is seen planted so extensively at the North Atlantic seashore and inland resorts. It seems to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially the first few years after planting, to protect them over winter with a covering of manure or other suitable litter, as this will protect the flower buds, which are often injured in severe winters, although the plants otherwise do not suffer. If winter protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. The varieties of Hydrangea often change their color; for instance, pink varieties will sometimes turn out blue. This, however, is infrequent, and when the type is fixed it usually remains so. If, however, it is desired to change pink Hydrangea blue, and the latter pink, this can be usually accomplished by incorporating into the soil a few handfuls of soot or iron filings. If this is not obtainable, lump alum, broken into small pieces and incorporated into the soil, about $\frac{1}{4}$ lb. to each plant, will usually produce the same results. This class of Hydrangeas is best planted around verandas for fine effects. They can also be set in tubs for wall, coping or lawn decoration. If used in the latter way the plants should be taken in in the winter to a frost-proof cellar and occasionally given some water. They may be set out again, in the latitude of Philadelphia, about the first week in April. We have added considerably to our list this year, and offer below an up-to-date selection. **Special Note:** This class of Hydrangeas in the

summertime should be watered liberally every day when there is no rain. Application of Cow Manure, Sheep Manure or Bone Meal will greatly increase the flowering qualities.

Avalanche. Large head; pure white flowers, produced in great numbers. Extra strong 6 inch pot plants, 75c. each; dozen, \$7.50.

Botaniste Peltreau. Fringed flowers of gigantic size, of a brilliant lavender-pink color. Extra strong 6 inch pot plants, 75c. each; per dozen, \$7.50.

Bouquet Rose. Very large flower heads of a uniform shape. When first opened the flower is a shade of amber, which later turns to a brighter pink. 3-inch pot plants, ready April 1st, 25c. each; per doz., \$2.50; extra strong 6-in. pot plants, ready now, 75c. each; per doz., \$7.50.

General de Vibraye. One of the very best, with enormous flower heads of a bright rose color. It is quite early, flowering with Madame E. Moulliere to which it is an excellent contrast in color. Extra strong 6-inch pots, 75c. each; per dozen, \$7.50.

Madame Maurice Hamar. Large trusses of a delicate flesh-pink shade. 3-in. pot plants, ready April 1st, 25c. each; per doz., \$2.50; 5-in. pot plants, 50c. each; per doz., \$5.00; extra strong 6-in. pot plants, 75c. each; per doz., \$7.50.

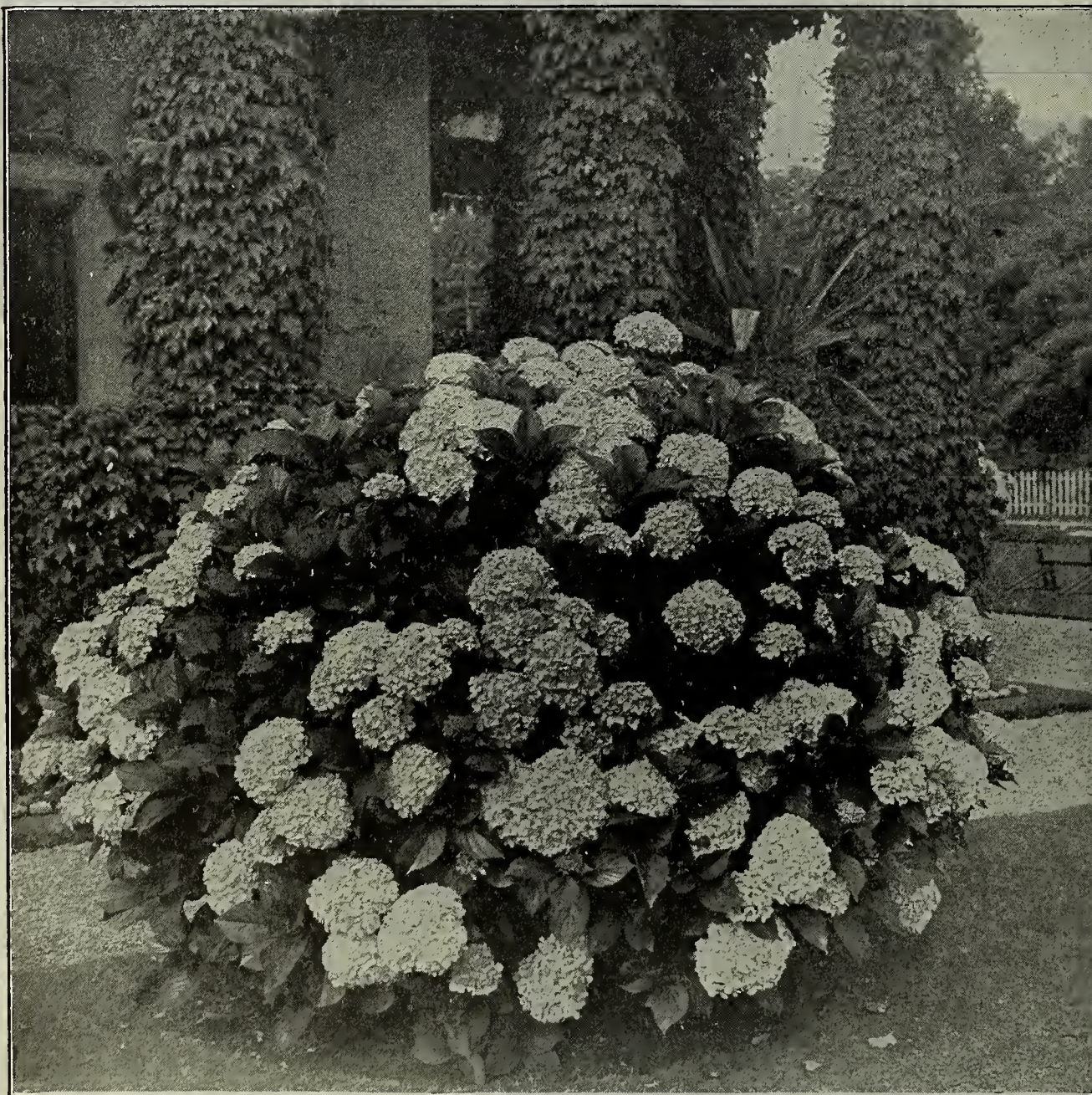
Monsieur G. Renault. Very free flowering type, blooming somewhat earlier than the rest. The flower has a slight reflex of carmine, while the body of the bloom is rich pink. 3-in. pot plants, ready April 1st, 25c. each; per doz., \$2.50; 4-in. pot plants, 35c. each; \$3.50 per doz.; extra strong 6-in. pot plants, 75c. each; per doz., \$7.50.

Mme. Emile Moulliere. This is the best of the newer kinds, bearing gigantic trusses with immense florets, the latter being often 2 inches in diameter. Pure white, with rich carmine eye. 3-in. pot plants, ready in April, 25c. each; per doz. \$2.50; Extra strong 6-in. pot plants, 75c. each; per doz. \$7.50.

Radiant. Brilliant rose pink, much brighter and showier than others of the same color. 3-in. pot plants, ready in April, 25c. each; per doz., \$2.50; extra strong 6-in. pot plants, 75c. each; per doz., \$7.50.

Souvenir de Mme. Chautard. Of dwarf, compact habit, with brilliant rose-colored flower trusses. 3-in. pot plants, ready in April, 25c. each; per doz., \$2.50; extra strong 6-in. pot plants, 75c. each; per dozen, \$7.50.

Otaksa. This is the original pink-flowering Hortensis type from which many of the newer kinds originated. For general satisfaction it is still in the foreground, and we cannot recommend it too highly. It is a delicate soft pink. 3-in. pot plants, ready in April, 25c. each; per doz., \$2.50; 4-in. pot plants, 35c. each; per doz., \$3.50; 5-in. pot plants, 50c. each; per doz., \$5.00; extra strong 6-in. pot plants, 75c. each; per doz. \$7.50. Specimen Plants in 11-in. tubs, \$1.75 each.



Hydrangea Mme. Emile Moulliere

See also page among Flowering Shrubs for other Hydrangeas



A charming effect. Hardy Ornamental Grasses and Hardy Ferns planted in groups.

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

Adiantum Pedatum (*Hardy Maiden Hair Fern*). 12 inches.

Aspidium Acrostichoides (*Wood Fern*). Height 15 inches.

Aspidium Acrostichoides (*Wood Fern*). Height 12 inches.

Aspidium Marginale (*Evergreen Wood Fern*). 12 to 24 inches.

Aspidium Thelypteris 15 to 18 inches.

Aspidium Cristatum (*Crested Fern*). 15 to 18 inches.

Asplenium Felix-foemina. Height 12 to 15 inches.

Dicksonia Punctilobula (*Gossamer Fern*). Height 24 inches.

Lastrea Dilatata. Height 24 inches.

Onoclea Sensibilis (*Sensitive Fern*). 12 to 15 inches.

Onoclea Struthiopteris (*Ostrich Fern*). 24 to 30 inches.

Osmundi Claytonia (*Flowering Fern*). Height 24 inches.

Osmundi Gracilis. 24 to 30 inches.

Osmundi Cinnamomae (*Cinnamon Fern*). 24 to 36 inches.

Osmundi Regalis (*Royal Fern*). Height 24 inches.

Scolopendrium Vulgaris. Beautiful crested fronds. 12 inches.

Extra strong plants, 25c. each; dozen, \$2.50; \$17.50 per 100.

ORNAMENTAL HARDY GRASSES

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. The best results are attained if planted as individual specimens on the lawn or in large beds. They should not be placed in conjunction with other perennials, being a class by themselves. A variety of sorts planted together, in accordance with the height, makes the best show, in fact, better than plantings of one kind placed alone.

Arundo Donax (*Giant Reed*). Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.

Erianthus Ravennae (*Plume Grass or Hardy Pampas*). Deep green narrow foliage, growing about 10 feet high.

Eulalia Gracillima Univittata (*Japan Rush*). Graceful narrow foliage, growing 5 to 6 feet high. Bright green with a silvery rib.

Eulalia Japonica Variegata. An attractive kind with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

Eulalia Japonica Zebrina. Dark green foliage, is crossmarked horizontally a golden yellow. It is one of the best of hardy Grasses for effect. 4 to 5 feet high.

Gynerium Argenteum (*Pampas Grass*). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to 10 feet.

Phalaris Arundinacea Variegata (*Variegated Ribbon Grass or Gardener's Garter*). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 15c. each; \$1.50 per dozen; per 100, \$10.00.

Pennisetum Japonicum (*Hardy Fountain Grass*). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height 4 feet.

Stipa Pennata (*Feather Grass*). Splendid for borders. Flowers are of a delicate white and have a feathery appearance. Height 2 feet.

Strong plants of the above hardy Grasses, except where noted, 25c. each; dozen, \$2.50; \$15.00 per 100.

Stronger clumps for immediate effects, 50c. each; dozen, \$5.00; \$30.00 per 100.



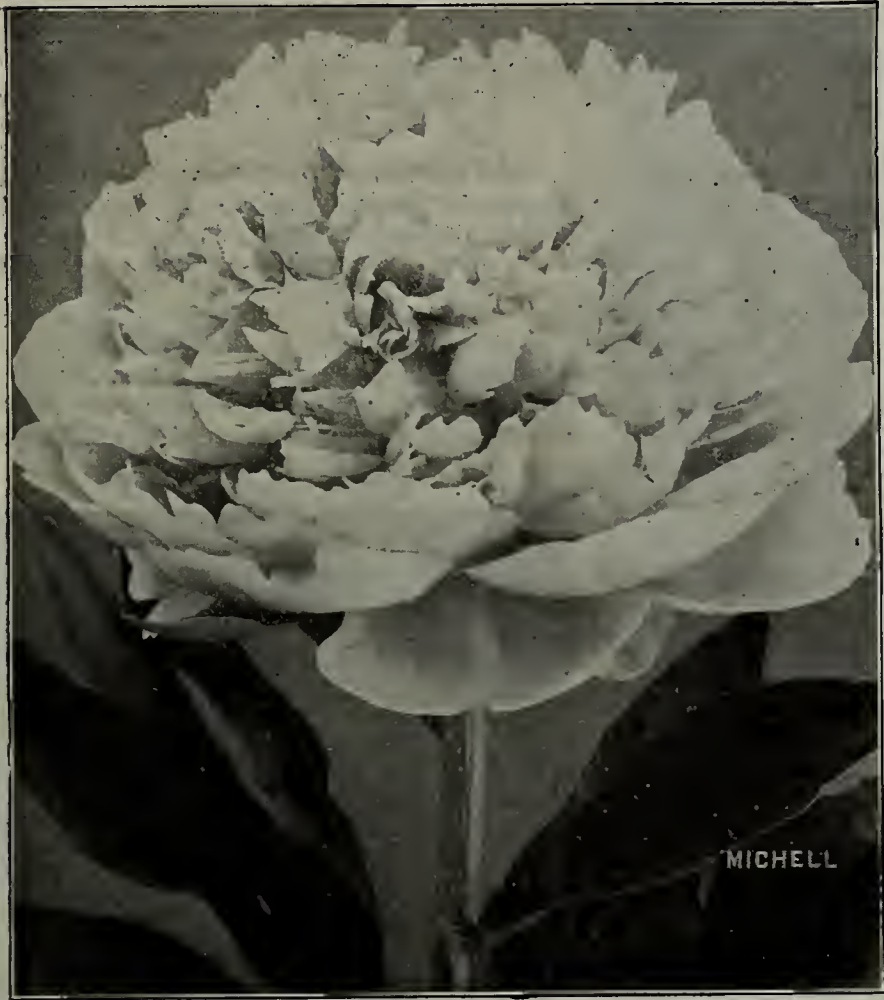
MICHELL'S GORGEOUS PAEONIES

This "Queen of Spring" holds a place entirely her own in effective gardens. The exquisite form, the delicate and rich colors, its value for garden or house decoration, and the delightful fragrance are all points in its favor. No disease or insect ever troubles this plant. The best effect of Pæonies is attainable when massed by themselves in groups on lawns or borders with a distinct background of shrubbery. They delight in a sunny location in deep rich soil. After planting take care to see they are watered regularly until you feel they are established. At blooming time the size and quality of flower are greatly increased if the plants are watered in absence of occasional rains. In planting always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

Attention is called particularly to our revised list of named varieties, which includes the very finest sorts. The day of the common garden pæony is about over, the improved named sorts, which cover every imaginable shade of color, being sought after instead. **We send out only extra strong roots.**

PINK SHADES

Achille. Beautiful shell-pink, changing to lilac white. Each splendid variety	Each \$0.25	Doz. \$2.50	Eugenie Verdier. Giant globe-shaped flower of a soft pink color. Mid-season.....	Each \$0.50	Doz. \$5.00
Beaute Francaise. Lilac-rose, with a cream white collar; centre spotted carmine. Very fragrant..	.35	3.50	Faust. Delicate flesh pink, with salmon centre....	.25	2.50
Berlioz. Perfect form. Large magenta rose color; silver tipped. Late.....	.35	3.50	Grandiflora Rosea. Full globe-shaped flower, light solferino red petals, salmon centre.....	.25	2.50
Dr. Bretonneau. Lilac rose, with cream white centre, flecked crimson.....	.25	2.50	L'Indispensable. Perfect shaped flower of a delicate creamy color, beautifully shaded pink in centre. Very striking variety .....	.50	5.00
Carnea Elegans. Of a clear flesh color, glossy reflex. A free bloomer .....	.35	3.50	Mme. Forel. Late desirable sort. Very large compact flowers of a beautiful shade of light pink, with a silvery tipped centre .....	.50	5.00
Charlemagne. Excellent, large flowering variety. Lilac white, with a light pink centre. Fragrant..	.50	5.00	Mons. Krelage. Grand flowers of a dark pink color. Large and compact. Very desirable variety.....	.50	5.00
Clarisse. Beautiful rose pink, with silvery pink centre; fine form and habit .....	.25	2.50	Marie Lemoine. Very large, compact flower of lasting qualities. Delicate white rose, with a creamy centre .....	.50	5.00
Delicatissima. Pale lilac rose, free habit and fragrant .....	.50	5.00	Mme. Leonie Calot. Delicate rosy white, centre petals slightly tipped carmine. Mid-season .....	.75	7.50
Edulis superba. Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts .....	.25	2.50			



Paeony Candidissima

WHITE AND LIGHT SHADES

	Each	Doz.
Agnes Mary Kelway. The outer large petals are white tinted rose, while the centre is a cream shade; a very striking flower	\$0.25	\$2.50
Alba Plena. A giant flower of the purest white; very double. Of superb fragrance .....	.25	2.50
Candidissima. Creamy white, with a clear, sulphur-yellow centre, which shows an occasional slight tint of flesh pink .....	.50	5.00
Couronne d'Or. Immense, very full, imbricated ball-shaped form; color, snowy white with yellow reflex and deep pink edges on a few petals .....	.50	5.00
Duc de Wellington. Large, sulphur-white flower of great fragrance and with long stems .....	.35	3.50
Duchesse de Nemours. Pure white, with a sulphur white centre; very early and extra fine .....	.30	3.00
Festiva Maxima. Beautifully shaped flower, often 7 to 8 in. in diameter. Pure white, splashed red..	.30	3.00
La Rosiere. Of striking appearance; imbricated petals of yellowish white, with straw yellow centre. Looks like a large tea rose .....	.35	3.50

RED AND DARK SHADES

Anemoneflora Rubra. Anemone form, having a broad collar and a mass of narrow petals in the centre; a beautiful dark crimson .....	.35	3.50
Delachi. Large flowers of a deep purple color, free bloomer .....	.35	3.50
Felix Crousse. Large bright red flowers on long stems. Extra fine, self-colored variety.....	.50	5.00
General MacMahon. Large anemone-shaped flower of a deep violet color. Magnificent variety.....	.50	5.00
L'Eclatante. Large globular flower of brilliant red color; very good variety.....	.75	7.50
Louis Van Houtte. A rich shade of crimson maroon, an exceptionally fine large flower.....	.35	3.50
Meissonier. Loose reddish purple flowers on tall stems. Very fragrant. Very good variety.....	.35	3.50
Victor Hugo. One of the very best of red paeonies. Brilliant carmine red. Unsurpassed for cutting..	.75	7.50

PAEONY CHINENSIS

This is the common garden variety in cultivation most everywhere.

	Each	Doz.	100
Double Red. Large roots	\$0.25	\$2.50	\$15.00
Double White. Large roots .....	.25	2.50	15.00
Double Pink. Large roots .....	.25	2.50	15.00

PAEONY OFFICINALIS (The old fashioned Paeony)

Fragrant flowers of immense size, flowering early in May and having a distinct foliage and growth.

	Each	Doz.	100
Rosea. Double pink	\$0.30	\$3.00	\$20.00
Rubra. Double red .....	.30	3.00	20.00
Alba. Double white .....	.30	3.00	20.00

One each of the above 3 colors for 75c.



Tree Paeony Lambertiana

DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety and the flowers, often measuring a foot in diameter, include every shade from white and softest pink to the most brilliant scarlet and purple.

- Abraham Lincoln. Deep velvety amaranth; very double.
 - Confucius. A beautiful shade of purplish scarlet, single.
 - Jeanne d'Arc. Very large, salmon rose with dark centre, single.
 - Bijou de Chusan. Pure white, yellow centre, semi-double.
 - Etna. Brilliant fiery red.
 - Lambertiana. Pure white, suffused with delicate rose.
 - Louise Mouchelet. Beautiful silvery rose; extra large flower, double.
 - Queen of Belguims. Blush shaded salmon rose. Splendid variety.
 - Rosea superba. Salmon rose; semi-double. Beautiful.
- Any of the above varieties; extra strong plants, \$1.00 each; per dozen, \$10.00; (or 1 of each for \$8.00).

PAEONIA TENUIFOLIA Flore Plena

An early flowering specie with fern-like foliage and double deep crimson flowers, a shade like the Jacq Rose; this is undoubtedly one of the most attractive paeonies in cultivation, excellent for massing or planting individually in the herbaceous border, blooming very early in May, sometimes latter part of April, makes an exceedingly attractive plant. Each, 30c.; per doz., \$3.00; \$20.00 per 100.

Paeony Culture is fully covered by Michell's Bulb Growing Guide. Ask for a free copy.

For the past few years we have been adding improved varieties of Perennials, so that our list can consistently be called up to date. The stock is all produced in our Nurseries, just above Torredale, where the soil seems to be peculiarly well adapted to the prime development of husky specimens.

HARDY PERENNIAL PLANTINGS. We are pleased at all times to submit plans and suggestions for laying out hardy plant borders. We are not, however, prepared to undertake the planting thereof, but can recommend good reliable parties for this. **CORRESPONDENCE SOLICITED.**

Achillea (Sneezewort)

A graceful plant with finely cut foliage. Flowers are fine for cutting.

Boule de Neige (*Ball of Snow*). An improvement on The Pearl, with a more double, full centre; flower pure white; 2 feet high.

Millefolium Cerise Queen. Rich amaranth. An attractive combination when massed with the white variety; 18 inches high; red.

Ptarmica Plena, The Pearl. Flowers borne in the greatest profusion the entire summer on strong, erect stems 2 feet high; of the purest white.

Price of any of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

Aconitum (Monkshood or Helmet Flower)

Bushy plants growing 4 feet high and blooming in clusters of beautiful helmet-shaped flowers from late summer till frost. Well adapted for shady situations.

Autumnale. Deep purplish blue, flowers in September.

Fischeri. Grows 18 inches high, yielding pale blue flowers; blooms September and October.

Napellus. Large flowers, dark blue; August and September.

Napellus Bicolor. Dark blue and white flowers.

Stroekianum. July and August. Rich deep blue; magnificent flower spikes.

Wiloni. A variety from Northern China, growing 6 feet high; pale violet blue; flowers in September.

Price of Aconitums, 25c each; doz., \$2.50; \$15.00 per 100.

Actaea (Baneberry)

Native plants with showy white flower spikes about 2 feet high, produced in profusion during June, followed with clusters of berries.

Spicata Alba. Pure white berries on red stems.

Spicata Rubra. Bright scarlet berries on long spikes.

The above, 25c. each; doz., \$2.50.

Actinidia (See page 165)

Aetheopappus (New)

Pulcherrimus. (See page 19.)

Agrostemma (Rose Campion)

Coronaria (*Mullein Pink*). Tufts of silvery foliage throwing up many silver-lined stems 2 feet high, with bright single crimson flowers during June. 15c. each; doz., \$1.50; \$10.00 per 100.

Akebia (See page 165)

Alyssum (Gold Dust or Basket of Gold)

Saxatile Compactum. A splendid edging plant. Silvery gray foliage which, at the end of May, is surmounted with masses of deep golden flowers. An ideal plant for rockery or special flower garden work. 15c. each; doz., \$1.50; \$10.00 per 100.

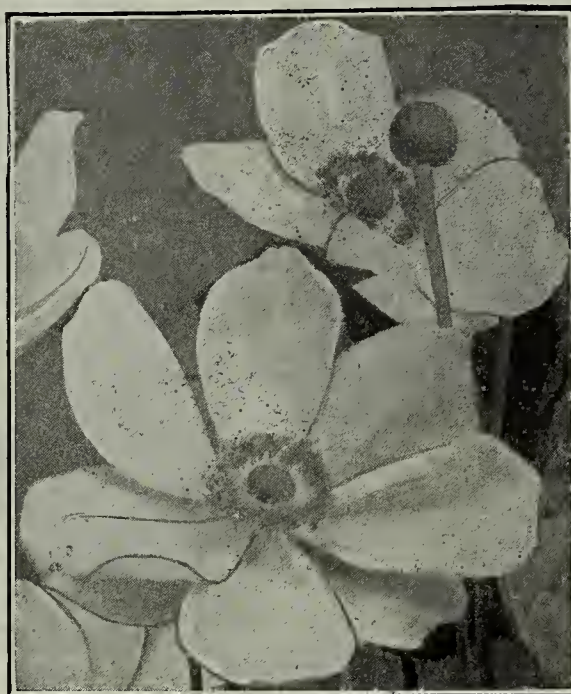
Ampelopsis (See page 165)

Anchusa Italica (Sea Bugloss)

Dropmore Variety. Plants grow 4 feet high in pyramidal shape; branch freely and are overloaded with bright blue forget-me-not-like flowers from June 15th till late in fall; very showy and valuable. 25c. each; doz., \$2.50; \$18.00 per 100.

Myosotidæflora (*New*). See page 19.

Opal. Similar to the above variety, with large pale blue flowers. 25c. each; doz., \$2.50; \$18.00 per 100.



Anemone Japonica

Anemone Japonica (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers in cup form appear some time in August and remain till frost. Plants require winter protection with leaves, straw or long manure, but amply repay one for the extra trouble taken to care for them. Our stock is unusually fine.

Alba. Large, pure white, 3 to 4 feet.

Alice. While we have some good sorts in white and lavender pink, there never has been a real pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches. 25c. each; doz., \$2.50; \$15.00 per 100.

Geante Blanche. This is the largest flowering single white; a fine bold flower. 25c. each; doz., \$2.50.

Kriemhilde. Semi-double, very large, lovely rose pink flowers; fine for cutting. 25c. each; doz., \$2.50.

Lord Ardilaun. Pure white flowers borne on long stiff stems; a veritable gem for cutting. 25c. each; doz., \$2.50.

ANEMONE JAPONICA (*Continued*)

Prince Henry. Deep rich pink double flowers, perfect form.

Purpurine. Semi-double, deep rose. 25c. each; doz., \$2.50.

Queen Charlotte. Semi-double flowers of a rich pink shade; one of the finest.

Rubra. Rich rosy red, 3 to 4 feet.

Whirlwind. Large semi-double, pure white.

Price of Anemones, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.



Aquilegia Chrysantha

Aquilegia

For spring flowers these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their elegant foliage. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they look effective, a variety of them making a beautiful attraction.

Canadensis. Bright red and yellow.

Chrysantha. Bright yellow, long flowers.

Chrysantha Alba. Pure white, long spurred.

Coerulea. Blue and white, long spurred.

Erskine Park Hybrids (Mixed Colors).

A grand mixture of finest varieties, including every color in Columbines.

Flabellata Nana Alba. Dwarf, pure white.

Helenae. A very large, blue flowering sort, with pure white spurs.

Rose Queen. A newer variety of a pleasing shade of delicate pink, long spurred flowers.

Price of Aquilegias, 15c. each; doz., \$1.50; \$10.00 per 100.

Arabis (Rock Cress)

Dwarf bushy plants six inches high; ideal for rockeries and borders. It remains in flower a long while, presenting a perfect carpet of bloom. Nice as a cut flower.

Alpina. Single snowy-white flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

Alpina Fl. Pl. Double white, very showy. 25c. each; doz., \$2.50; \$18.00 per 100.

Aristolochia (See page 165)

Armeria (Sea Pink or Thrift)

Maritima. Attractive dwarf plants, forming evergreen tufts from which numerous rosy pink flowers grow in dense heads on stiff stems 9 inches high, flowering continuously from spring until late in the fall. 15c. each; doz., \$1.50; \$10.00 per 100.



Artemisia Lactiflora

Artemisia

Lactiflora. An excellent perennial with flower stems three to four feet long, covered with creamy white flowers; especially desirable as a late summer blooming plant, as it commences in August and lasts well into September. A planting of these mingled with colored perennials makes a grand sight, as the plant is a mass of flowers. 25c. each; doz., \$2.50.

Asclepias (Butterfly Weed)

Tuberosa. A showy plant, 2 feet high, with large heads or clusters of orange flowers blooming in July and August. The bright color is quite a contrast to white and other flowers when planted in the hardy border; fine for cutting. 15c. each; doz., \$1.50; \$10.00 per 100.



Hardy Aster

Hardy Aster (Michaelmas Daisy)

Tall-flowering, stately plants, which may be used with splendid effect in borders and as specimens in lawns, in large groups or beds. It forms the basis of a color scheme in a perennial border during the months of September and October and often lasts well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. The wide range of color, variety of flower, make this one of our finest summer and autumn flowering perennials.

Amellus Beaute Parfait. One of the best of the Amellus section, exceeding all others in size of flower and beauty of color, which is an unusually fine dark shade of violet; July and August. 25c. each; doz., \$2.50.

Amellus, Perry's Pink. In size and brilliancy this equals the Beaute Parfait. The color is a pleasing bright pink and a distinct choice variety; September. 25c. each; doz., \$2.50.

Amethystinus. Beautiful amethyst blue; very rich and showy; October to November. 25c. each; doz., \$2.50.

Beatrice. Large flower, snow white, very free; September. 15c. each; doz., \$1.50; \$10.00 per 100.

Beauty of Colwall. A grand double-flowering type of a beautiful lavender shade; very distinct and of robust branching habit; height, about 4 feet; September. 25c. each; doz., \$2.50.

Novae Angliae Rubra. Tall growing, with large rosy purple flowers; 4 feet high; September.

Novae Belgii Fairfield. Very tall, often 5 feet; the flowers have fine, narrow petals and are pure white; September.

HARDY ASTER (Continued)

Ptarmacoides Major. Pure white, large flowering; 2 feet high; August-September.

Robert Parker. Fine lavender blue, with yellow centre; very tall; September.

St. Egwin. A novelty of recent introduction, and is one of the finest hardy Asters in cultivation. Densely branched, producing beautiful pink flowers in great profusion; 3 feet; September. 25c. each; doz., \$2.50.

Sub-Coeruleus. A dense-growing variety, producing a multitude of flowers in June and July; 2½ to 3 inches in diameter, on stems about 18 inches; a fine cut-flower sort.

Thompsoni Nana. One of the best of large flowering sorts, being of large size and star-shaped flowers rich sky blue; 2 feet; July and August. 25c. each; doz., \$2.50.

White Queen. Tall growing; pure white; very fine; 4 feet high; September-October.

Wm. Marshall. Large, handsome, soft clear blue, borne in great profusion; it is one of the best varieties; height, about 4 feet; September.

Price of the above Asters, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

Aubretia (Wall Cress)

A suitable plant for rock gardens; the broad mass of light green foliage is covered with a sheen of white colored flowers in spring and summer.

Peter Barr. 15c. each; doz., \$1.50; \$10.00 per 100.

Betonica (See Stachys)

Bignonia (See page 165)

Bocconia

(Plume Poppy or Tree Celandine)

Cordata. A splendid plant, 8 feet high, bearing panicles of creamy white flowers, which bloom in July and August; makes a grand effect as a centre in a hardy bed or a border background. 15c. each; doz., \$1.50; \$10.00 per 100.

Boltonia (False Chamomile)

Tall-growing, showy plants, with aster-like flowers appearing in September; 5 to 7 feet. They resemble somewhat hardy asters.

Asteroides. Pure white; 5 to 6 feet.

Latisquama. Pink, tinted lavender; 6 feet.

Nana. Pink, tinted lavender; only 2 feet high.

The above 15c. each; doz., \$1.50; \$10.00 per 100.

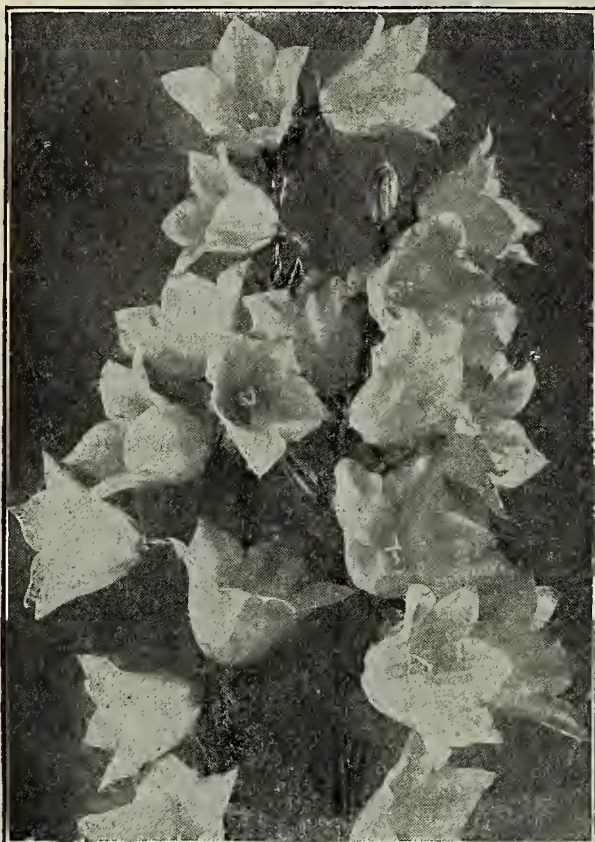
Buddleia (Butterfly Bush)

Asiatica. A most valuable novelty. The plants produce numerous stems, which terminate in spikes of pure white flowers which have the fragrance of Lilacs. A splendid and very effective cut flower. 50c. each; doz., \$5.00.

Variabilis Magnifica. Long graceful stems terminating in large spikes of lilac-colored flowers. For full description, see First Cover Page. 50c. each; doz., \$5.00.

Callirhoe (Poppy Mallow)

Involucrata. Of dwarf trailing habit, with large crimson flowers with white centre, much resembling a giant mallow or Hibiscus, which bloom all summer until late in fall; the foliage is also attractive. 15c. each; doz., \$1.50; 10.00 per 100.



Campanula

Campanula (Bell Flower)

Showy perennial plants of special merit; some are tall, suitable as effective borders; others are dwarf, for rockeries and edges. In every well-ordered hardy garden Campanulas should have a prominent place. Indeed, there are few perennials that can rival with these in beauty and effect. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. We offer below several classes of Campanulas, so their use can be made to cover various purposes. If the flowers of Campanulas are cut as they fade, it greatly prolongs the blooming period.

Alliariaefolia. Graceful stems of white flowers, blooming in July; 3 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

Calycanthema (Cup and Saucer). These are biennials, and last only one season when planted in the autumn; **Pink, White and Blue**, each color separate; height, 18 inches; blooming in June and July. 20c. each; doz., \$2.00; \$12.50 per 100.

Carpatica (Carpathian Hare Bell). Very dwarf and shrubby; ideal for border or rockery planting, being about 8 inches high; flowers from June till frost.

Blue and White, each separate. 15c. each; doz., \$1.50; \$10.00 per 100.

Glomerata (Cluster Bell Flower). Densely decked stems of violet-colored flowers appearing in July and August; height, 20 inches. 15c. each; doz., \$1.50; \$10.00 per 100.

Lactiflora. Bluish white; spikes 3 feet long; June to August. 15c. each; doz., \$1.50; \$10.00 per 100.

Media (Old-fashioned Canterbury Bells). This is a biennial type, like the Calycanthema, and will last only one season when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. **Blue, Pink and White** in separate colors; also in **Mixed** colors. 15c. each; doz., \$1.50; \$10.00 per 100.

CAMPANULA (Continued)

Pyramidalis (Chimney Bell Flower). A striking variety, pyramidal-shaped plant; the stalk, 4 to 6 feet high, is completely covered with flowers in June and July. **Blue and White**, each separate, 25c. each; doz., \$2.50; \$15.00 per 100.

Persicifolia (Peach Bell). This is the extremely hardy sort, which makes a splendid show in June, July and August. The stately spikes are tall, often 3 feet high, and present a grand appearance. The flowers are upright and rather bell shaped, with irregular edge.

Alba (Persic.) Pure white. 15c. each; doz., \$1.50.

Coerulea (Persic.) Light blue. 15c. each; doz., \$1.50.

Moerheimi (Persic.) Pure white; semi-double. 25c. each; doz., \$2.50; \$15.00 per 100.

Humosa. Light blue, semi-double. 25c. each; doz., \$2.50; \$15.00 per 100.

Trachelium (Coventry Bells). Purple flowers June and July; 3 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

White Star. Pure white; June and July. 15c. each; doz., \$1.50; \$10.00 per 100.

Cassia (American Senna)

Marilandica. A desirable perennial yielding enormous sprays of oddly formed flowers, bright yellow; the foliage is also showy; 3 to 4 feet; July and August. 15c. each; doz., \$1.50; \$10.00 per 100.

Celastris (See page 165)**Centaurea (Perennial Cornflower)**

Fine border plants, producing flowers suitable for cutting; these are quite large, and a bunch makes an attractive display; 2 feet high; flowering from July to September.

Montana. Rich violet blue.

Alba. Pure white.

The above 15c. each; doz., \$1.50; \$10.00 per 100.

Chrysanthemum

Arcticum (Arctic Daisy). This hardy perennial is a native of Alaska. It is very attractive, having pretty dark green foliage, and in September multitudes of pure white flowers, 2 to 2½ inches across, make their appearance and continue on through October and November. 25c. each; \$2.50 doz.; per 100, \$15.00.

Maximum Vemorensense. This variety has done exceptionally well with us in our Nurseries. The flowers are single, borne on stems 18 inches long and often measuring 3 inches in diameter; pure white. We can best describe it as a glorified Shasta Daisy. July to September. 25c. each; \$2.50 doz.

CHRYSANTHEMUMS (Hardy). See opposite page.

Cinnamon Vine (See page 165)**Clematis (See page 164)****Coreopsis**

Lanceolata Grandiflora. Flowers rich golden yellow of graceful form and fine for cutting. A few plants make a handsome display either planted individually or in clumps; the flowers are produced by the thousand on a single plant, and where quantity and quality are wanted Coreopsis should be planted. Flowers June till October; height, about 3 feet.

15c. each; doz., \$1.50; \$10.00 per 100.

Daisy (Bellis Perennis)

The English Daisy is one of the first of the spring flowers, blooms at the first spell of warmth. Planted among Roses they produce a show in a place that would otherwise have a dead appearance. A combination of these with Myosotis and Pansies produce a rare treat in early spring flowers. They make a similar effect planted among late Tulips, covering the bare ground between the bulbs very effectively. We grow the Giant flowering strain and offer vigorous plants.

Monstrosa White, Monstrosa Pink, Monstrosa Red, each separate. 10c. each; doz., \$1.00; \$7.00 per 100.

Delphinium (See page 155)

Dianthus

Dianthus (Garden Pinks)

These occupy an unique place in every perennial collection. They are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. The plants increase yearly in size and beauty. They are at their height of bloom in June.

Deltioides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Lactifolius Atrococcineus Fl. Pl. (Ever-blooming Hybrid Sweet William). A splendid variety with brilliant crimson double flowers. Flowers continuously during the entire season. Especially adapted for bedding.

Each of the above 15c. each; doz., \$1.50; \$10.00 per 100.

No class of perennial Flowering Plants add such a wealth of color and bloom in autumn to the garden as these. The plants are literally covered with flowers from the middle of September till the snow buries them. The fine varied shades of pink, red, orange and yellow are especially showy. They ought to be planted liberally, as they increase in size and beauty each year. Our collection is made up from the best sorts, all undesirable ones (after testing) having been discarded. The letter preceding the name indicates the type of flowers, as explained as follows:

- S. Small or Pompon type. Sg. Single flowering.
M. Medium size flowers. A. Anemone flowering.

HARDY POMPON TYPES

YELLOW VARIETIES

- S. *Agalia*. Orange, shaded pink.
M. *Ashbury*. Sulphur yellow.
S. *Baby*. Golden yellow tiny flow'rs.
* M. *Barney*. Golden bronze.
* S. *Eldorado*. Deep yellow, free.
* M. *Excelsior*. Light orange yellow.
M. *Globe d'Or*. Dwf., clear yellow.
M. *Ida*. Bright golden yellow, early.
M. *Miss Julia*. Orange yellow.
* M. *Overbrook*. Chrome yellow.
* M. *Susquehanna*. Splendid yellow.
S. *Triumphe d'Or*. Golden yellow.
* M. *Windlass*. Rich orange.

BRONZE VARIETIES

- * Sg. *Aaron*. Bronzy scarlet.
S. *Henrietta*. Bronze and yellow.
* S. *Jeannetta*. Silvery bronze.
M. *Le Czar*. Bronze, tipped red.
* M. *Sylvia*. Scarlet bronze, tall.
M. *Urith*. Bronze, tipped yellow.

WHITE VARIETIES

- S. *Anna Mary*. Cream white, shaded pink.
A. *Furnessia*. Silvery white.
M. *Germania*. Straw white.
M. *Gladys*. Flushed pearl.
* M. *Irene*. White, shaded pink.
S. *Jas. Boone*. Glistening white.
* M. *Lady Naylor*. Pure white, large.

- * A. *Myers Perfection*. Fine tall, pure white.
* M. *Queen of Whites*. Cream white.
* M. *St. Elmo*. Fine pure white.

PINK VARIETIES

- * S. *Cerise Queen*. Fine for cutting.
S. *Dawn*. Delicate pink.
* M. *Findon*. Rich violet rose.
S. *Nellie Rainsford*. Dwarf, light pink.
* M. *Pink Beauty*. A magnificent shade of rose pink.
M. *Queen of Bulgaria*. Rosy crimson.
Sg. *Rosy Morn*. Silvery pink.
M. *St. Illoria*. Silvery rose.

RED AND SCARLET VARIETIES

- * M. *Dundee*. Very dark red.
S. *Ermine*. Orange scarlet.
M. *Julia Lagravere*. Rich maroon.
* M. *Scarlet Beauty*. A fine free flowering sort, rich scarlet.
S. *Viola*. Rich violet red.

Varieties marked * we can supply in Field Clumps as noted above. 25c. each; doz., \$2.50; \$17.50 per 100.

Price of Hardy Chrysanthemums in extra strong young plants, which will bloom first season, 15c. each; doz., \$1.25; \$8.00 per 100.



Hardy Pompon Chrysanthemum "Susquehanna"

NOTE.—Of varieties marked * we can supply in large field clumps which will make a splendid show the first year. These clumps are 25c. each; doz., \$2.50; \$17.50 per 100.



English Hardy Chrysanthemum "Primavere"

LARGE DOUBLE FLOWERING ENGLISH VARIETIES

The varieties of these which we list are the cream of European sorts, and are a wonderful advance on the popular Pompon types. They are chiefly conspicuous by the fact that they commence to bloom as early as August and continue in flower until cut down by severe frost. The blooms of most kinds measure as much as 3½ to 4 inches across, and if disbudded, form handsome specimen blooms on long stems, admirably adapted for decorative purposes. We predict that when these become better known they will entirely supersede the smaller type of hardy "mums" now in general use.

- Border Beauty.** A fiery orange, with gold tips; an attractive variety.
Champagne. Fiery ruby red, very free flowering, from early October until frost.
Countess. Lovely pure white variety; a gem disbudded; splendid cut flower variety; September, October.
Ethel Blades. Very distinct, chestnut scarlet; a unique and charming variety.
Golden Queen of Earlies. A sport from Queen of the Earlies; similar in form and habit, the color being a rich yellow; September and October.
Le Pactole. Bronzy yellow, a vigorous grower, very large flower.
Mme. Marie Masse. Of a lovely shade of lilac mauve; one of the best, a general favorite. September.
Mrs. A. Beech. Bronze, a distinct variety. October.
Mabel Roberts. A beautiful deep pink, with long erect sprays. September-Oct.
Normandie. Delicate pink, a lovely color, blooms as early as mid-August and continues in flower for two months.
October Gold. Very free; a splendid bronzy yellow.
Queen of the Earlies. Pure white, a large flower borne on fine stiff stems.
Primavere. Primrose, dwarf, bushy habit. October.
Salmon Rouge. Rosy salmon, a lovely shade.
Well's Crimson. Bright crimson, reverse and tips of petals gold.

Price of English Chrysanthemums, 20c. each; doz., \$2.00; \$15.00 per 100. One each of the above 15 varieties for \$2.50.

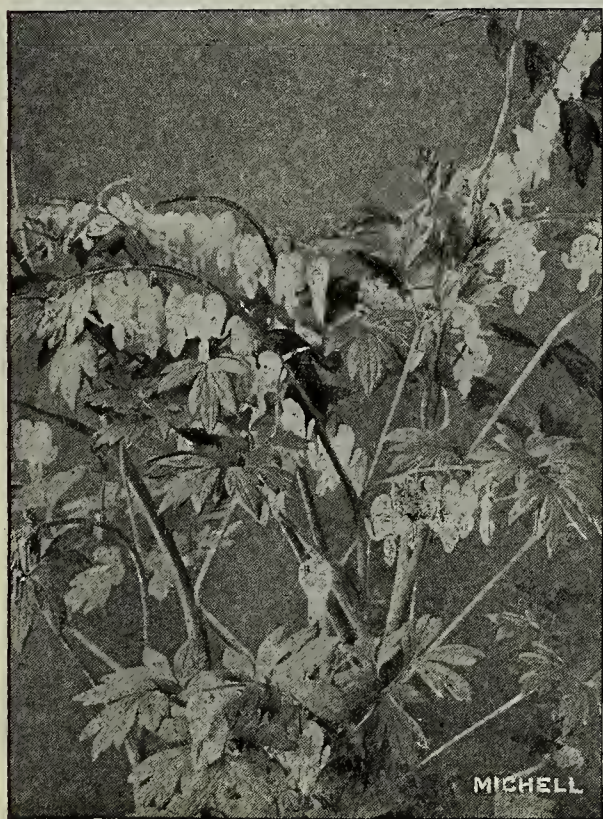
Dictamnus (Gas Plant)

One of the hardiest of all perennials, which often will last for a generation and longer. The foliage is fragrant, while the spikes of rather oddly shaped flowers emit a luminous vapor, which is said to be inflammable. Height, about 2 feet.

Fraxinella. Rose pink flowers with dark veins.

Fraxinella Alba. Pure white.

Each of the above 15c. each; doz., \$1.50; \$10.00 per 100.



Dielytra

Dielytra (Bleeding Heart)

Spectabilis. One of the most beautiful border and shrubby plants, with graceful, fern-like foliage and attractive heart-shaped pink and white flowers appearing in April. Large roots, 20c. each; doz., \$2.00; \$15.00 per 100.

Digitalis (Foxglove)

These showy plants are but biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; spikes grow from 4 to 6 feet high; flower in June. They are especially attractive when planted in rows as a background for a perennial border.

Gloxiniaeflora White.

" **Pink.**

" **Blue or Purple.**

" **Mixed.** All colors.

Grandiflora Yellow.

Monstrosa. Giant flowering type. All colors mixed.

Any of the above 15c. each; doz., \$1.50; \$10.00 per 100.

Doronicum (Leopard's Baue)

This flowers very early in the spring; about 2 feet high. Is most effective when planted in masses. The plants can be taken up in the fall if desired (although they are perfectly hardy) and be made to bloom indoors. It is a fine cut flower, closing towards the end of the day and opening up each morning. It is extremely hardy and does well in most any location. Flowers June and July.

Excelsum. Rich orange yellow; 3 to 4 inches across. 25c. each; doz., \$2.50; \$15.00 per 100.

Echinops (Globe Thistle)

The flower heads are globe shaped, of a thistle-like nature. It might be considered an everlasting, as when cut it remains in a preserved state for a long while. Flowers from July to September.

Ritro. Deep blue flowers; 3 feet high. 25c. each; dozen \$2.50.

Edelweiss (Guaphalium)

This is the favorite Alpine plant of the Swiss Mountains, and is found growing in abundance everywhere on the Alps. The plant is dwarf, about 4 inches high, with gray foliage, which lies close to the ground, is surmounted with stalks of grayish white, fuzzy flowers of a trilobed appearance. The flowers may be cut as an everlasting, and they will keep indefinitely. This is a splendid plant for a rock garden. 25c. each; dozen, \$2.50; \$15.00 per 100.

Eryngium (Sea Holly)

An ornamental plant, 2 to 3 feet high. Especially valuable for shaded locations or wild garden effects. The flower may be cut and dried for winter bouquets, for which purpose they will last a long time.

Planum. Light blue. 15c. each; doz., \$1.50; \$10.00 per 100.

Euonymus (See page 166)

Digitalis

Eupatorium

This is an effective plant, which produces fuzz-like flower heads, much resembling Ageratum. Appearing during the summer. It is fine for cutting.

Ageratoides (White Snakeroot). Pure white, 3 to 5 feet, flowering in August and September; a fine native plant.

Coelestinum. Light blue, flowering in August; 18 to 24 inches.

Fraseri. White, 2 feet; July-August.

The above 15c. each; doz., \$1.50; \$10.00 per 100.

Ferns, Hardy (See page 147)

Funkia

Funkia (Plantain or Day Lily)

These attractive plants, even when not in bloom, make fine effects. Nothing is more handsome in a garden border or a hardy bed edged with the dwarf green and variegated foliage of the Media Picta variety. In July and August the plants throw up a mass of flower spikes varied in color according to the variety offered below. If you have a shaded spot which you want to make real attractive, plant some Funkias. The height varies from 6 to 10 inches, according to the variety.

Coerulea. Dark green foliage, with light blue flowers.

Subcordata Grandiflora. This is a large loose-growing variety, with large, light blue flowers and broad foliage.

Undulata Media Picta. Green foliage, with distinct white markings. Lavender blue flowers. This is the best of the edging varieties.

The above 15c. each; doz., \$1.50; \$10.00 per 100.

Galega (Goat's Rue)

The flowers, which resemble a pea blossom, are borne on long racemes in great abundance. It flowers from July until September, with an average height of about 2 feet.

Hartlandii. The best of the Galegas. Large, handsome blue and white flowers and variegated foliage. 15c. each; doz., \$1.50; \$10.00 per 100.

Delphiniums (Hardy Larkspur)

There is no more stately flower than the hardy larkspur, succeeding so well in all kinds of soils and under the most trying conditions. Its wealth of bloom appears in June. If cut down immediately afterwards it will send up new shoots, which flower uninterruptedly from the end of August till November. We have a splendid stock of this.

Amos Perry. Semi-double, rich mauve, suffused light blue, with a dark eye. 35c. each; doz., \$3.50.

Bella Donna. The freest and most continuous blooming of all. The clear turquoise-blue flowers are not surpassed by any. 25c. each; doz., \$2.50; \$15.00 per 100.

Bella Donna Semi Plena (New). Finest of all light blue larkspurs, the flowers are gigantic, with several rows of petals, which produce an immense effect. 35c. each; doz., \$3.50.

Capri (New). See Page 19.

Chinense Album. Same as below in white. 15c. each; doz., \$1.50; \$10.00 per 100.

Chinense Azureum. Plants grow but 2 feet tall, branch freely, each branch terminating with a loose spray of single flowers; color, a deep clear blue. 15c. each; doz., \$1.50; \$10.00 per 100.

Formosum. Dark blue, white centre, spikes 3 to 4 feet tall, vigorous; free blooming. 15c. each; doz., \$1.50; \$10.00 per 100.

Formosum Coelestinum. Most beautiful heavenly blue, immense flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

Kelway's Mixed. No finer strain has ever been produced; the plants we offer are a re-selection from a choice collection. 15c. each; doz., \$1.50; \$10.00 per 100.

King of Delphiniums. Remarkably strong, vigorous plants with flowers of gigantic size, semi-double, deep blue, white eye. 50c. each; doz., \$5.00.

Moerheimi (New). The first real pure white Delphinium. This novelty has proven every claim made by the originator; it is one of the finest novelties introduced during the last five years. The slender graceful spikes attain a height of 3½ feet. 50c. each; doz., \$5.00.

Mrs. J. R. Brunton (New). See Page 19.



Gaillardia

Gaillardia (Blanket Flower)

Gaillardias are one of the most useful of the hardy flowers. When planted in clumps, beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disk. 15c. each; doz., \$1.50; \$10.00 per 100.

Gentiana (Blue Gentian)

This has only to be mentioned to bring to mind one of the prettiest of hardy Alpine or perennial plants.

Andrewsii. A lovely native species, flowering in August, 2 feet high. 25c. each; doz., \$2.50; \$15.00 per 100.

Geranium (Crane's Bill)

Good summer flowering border plants, suitable also for rockery; perfectly hardy, thriving in almost any soil.

Endressii. Light rose, veined darker, flowering all summer, 1 foot. 15c. each; doz., \$1.50; \$10.00 per 100.

Grandiflora. Large violet blue flowers, 1 foot; June to August. 15c. each; doz., \$1.50; \$10.00 per 100.



Delphinium "King of Delphiniums"

Geum (Avens)

Bright, showy flowers, which appear in great abundance in the early summer and fall, growing about 18 inches high. Attractive in border plantings.

Coccineum. Brilliant rich scarlet. 15c. each; doz., \$1.50; \$10.00 per 100.

Mrs. Bradshaw (New). A great improvement over the above; bright double scarlet flowers of large size are produced in quantity during the greater part of the summer. 25c. each; doz., \$2.50; \$15.00 per 100.

Grasses, Hardy (See page 147)

Gypsophila (Baby's Breath)

This very graceful plant is attractive for cutting. During August and September it is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep perfectly for months without water. It is conceded to be the most graceful of our perennial plants.

Paniculata. Loose and feathery sprays of white flowers; useful for mist-like effects in bouquets. 15c. each; doz., \$1.50; \$10.00 per 100.

Paniculata flore pleno. This handsome new variety produces pretty double flowers of the purest white. Splendid for bouquets. 25c. each; doz., \$2.50; \$15.00 per 100.



Helenium

Helenium (Sneezewort)

These desirable perennials succeed in almost any soil in a sunny location. The flowers, which appear in great abundance in July, August and late summer, are splendid for cutting.

Autumnale Superbum. Massive spreading heads of deep golden yellow flowers, one of the best in this class of plants; flowers in late summer and autumn; 5 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

Grandicephalum Striatum. A beautiful species with deep yellow flowers striped and splashed crimson; July and August; 5 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

Pumilum Magnificum. Golden yellow, with large and perfectly formed flowers; very free; July and August; 18 inches. 15c. each; doz., \$1.50; \$10.00 per 100.

Riverton Beauty. Of a rich lemon-yellow color, with dark purple cone; 4 feet; August. 25c. each; doz., \$2.50; \$15.00 per 100.

Helianthemum (Rock or Sun Rose)

These dwarf, trailing perennials are exceedingly beautiful when in full bloom. Especially desirable for sunny banks or rockeries. They flower from May until September.

Choice Mixed Varieties. 25c. each; doz., \$2.50; \$15.00 per 100.

Helianthus (Hardy Sunflower)

The perennial Sunflower is very effective either in borders, among shrubbery, or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

Multiflorus flore pleno. Large, double, golden yellow flowers, resembling a Dahlia; 4 feet high; July and August.

Orygalis (Willow-leaved Sunflower). Golden yellow, small flowered; very handsome long narrow drooping foliage; 5 to 6 feet; September.

Rigidus, Miss Mellish. Semi-double flowers, 4 to 5 inches across, with very long petals of golden yellow; good for cutting.

Rigidus (The Prairie Sunflower). Flowers golden yellow, smaller than Miss Mellish, but a very useful variety; July till autumn; 5 feet.

Wooley Dod. An entirely distinct variety, golden yellow, semi-double; especially suited for planting on a large scale in shrubberies and borders; 4 feet; September.

Price any of the above Helianthus, 15c. each; doz., \$1.50; \$10.00 per 100.

Heliopsis (Orange Sunflower)

Pitcheriana. Very similar to a small sunflower, but flowering earlier; deep golden yellow; all summer. June till frost; 3 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

Helleborus (Christmas Rose)

These are some of the most valuable of hardy plants, as they flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height of the plants is about 8 to 10 inches. Flowers are large, often 3 inches in diameter.

Niger. Pure white. The best of all Helleborus varieties. 35c. each; dozen, \$3.50.

Hemerocallis (Yellow Day Lily)

Lily-like plant, which flowers in greatest profusion during the summer.

Aurantiaca Major. Large, orange flowers. One of the best sorts; June and July; 2 feet high; should be protected during the winter. 25c. each; doz., \$2.50; \$15.00 per 100.

Dr. Regal. One of the finest of the late flowering sorts, producing beautiful rich apricot-colored flowers; 2½ feet. 25c. each; doz., \$2.50; \$15.00 per 100.

Dumortieri. Very dwarf, flowering in June; earlier than most other sorts of the better class. Rich yellow flowers, bronze shaded on the back of petals. 20c. each; doz., \$2.00; \$12.50 per 100.

Flava. Light yellow flowers, very fragrant; June and July; 3 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

Fulva. Trumpet-shaped flowers, orange colored shaded darker, blooms in June and July; 4 to 5 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high. 15c. each; doz., \$1.50; \$10.00 per 100.

Sovereign. Chrome yellow flowers, sometimes 6 to 9 on a stem; very handsome; 2½ feet high. 35c. each; doz., \$3.50; \$25.00 per 100.

Heuchera (Alum Root)

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower-spikes, 2 ft. high, appear in profusion.

Flambeau. Light rose-colored flowers, tinged violet.

Pink Beauty. A beautiful shade of pink.

Sanguinea. Loose heads of bright scarlet flowers.

Price of any of the above, 15c. each; doz., \$1.50; \$10.00 per 100.



Hibiscus Meehani

Hibiscus (Mallow)

These are a mass of bloom during the entire summer, when they produce large flowers in gorgeous colors.

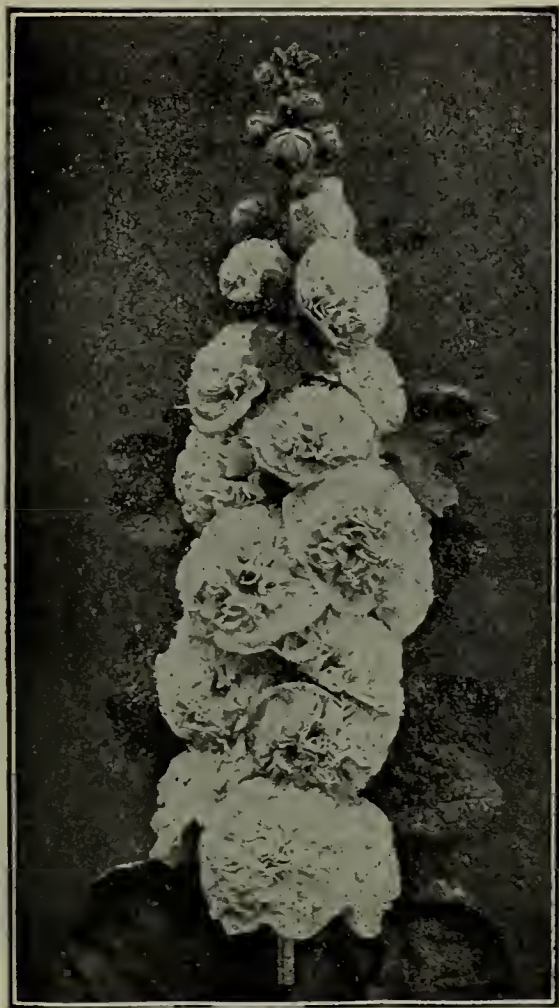
Crimson Eye. Immense flowers of purest white with deep crimson eye; July; 4 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

Meehani (Meehan's Marvel Mallow). A fast growing plant, attaining a height of 5 feet and flowering continuously from July till frost; all colors mixed. Large plants, 25c. each; doz., \$2.50; \$15.00 per 100.

Moscheutos Roseus (Marsh Mallow). Large bell-shaped flowers of delicate pink. 15c. each; doz., \$1.50; \$10.00 per 100.



Hemerocallis



Hollyhocks

Hollyhocks

In long rows or massed in clumps in lawns they are immensely showy. The plants thrive best in soil that is not too wet; which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter, with leaves, long manure or straw. A fungus or rust sometimes attacks hollyhocks, and to guard against this we recommend spraying the plant in early spring with Pyrox, Bordeaux Mixture or some other suitable fungicide, all of which we can supply.

Double Canary Yellow.

Double Crimson.

Double Maroon.

Double Newport Pink.

Double Pink.

Double Salmon Pink.

Double White.

Separate colors, Hollyhocks as above, 20c. each; doz., \$2.00; \$15.00 per 100.

Double Mixed, Single Mixed, Allegheny Fringed Mixed. Mixed Hollyhocks, as above, 15c. each; doz., \$1.50; \$10.00 per 100.

Honeysuckle (See page 166)

Hop Vine (See page 166)

Hydrangea (See pages 137, 146)

Hydrangea, Climbing (See page 167)

Hypericum (St. John's Wort)

Most desirable border plant, blooming continuously the entire season. Height, about 1½ feet.

Moserianum. A handsome variety of most graceful habit. The flowers, which appear in greatest profusion, measure often 2 to 2½ inches in diameter, and are of a rich golden yellow color. Extra strong plants, 25c. each; dozen, \$2.50; \$15.00 per 100.

Iberis (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.

Sempervirens. Pure white flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

Ipomea (See page 166)

Incarvillea (Hardy Gloxinia)

These are tuberous rooted plants which produce large trumpet-shaped flowers in clusters; they last in good condition for a long time; they require a slight protection in winter of leaves, straw or long manure.

Delavayi. One of the prettiest perennials. It produces large trumpet-shaped flowers of a deep pink, much resembling a Gloxinia, on stems 18 inches long, and succeeds in either sun or shade. 15c. each; doz., \$1.50; \$10.00 per 100.

Grandiflora. A great improvement on Delavayi, the flowers being larger and the coloring a much brighter shade of rose. 25c. each; \$2.50 doz.

Ivy (See page 165)

Kudzu Vine (See page 166)

Lathyrus (See page 166)

Liatis (Blazing Star)

Tall flower spikes which loom up over the majority of other perennials when it is planted in a border. It is in the height of bloom from July till September. Very desirable for table decorations.

Pycnostachia. Light rosy purple; 4 feet. 15c. each; doz., \$1.50; \$10.00 per 100.

Lilies, Hardy (See page 130)

Lily of the Valley

For outdoor planting in shaded places this plant occupies an unique position. It increases in number each year. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. Its fragrance cannot be compared with any other flower that we know of. For outdoor planting the large clumps are best, as they produce a quick effect. 25c. each; dozen, \$2.50; \$18.00 per 100.

Lobelia

Cardinalis (Cardinal Flower). Makes a most delightful showing if planted in front of shrubbery or in the herbaceous border; flowers are a vivid crimson on spikes from 2 to 4 feet high, flowering July and August. 15c. each; \$1.50 doz.; per 100, \$10.00.



Lupinus Polyphyllus

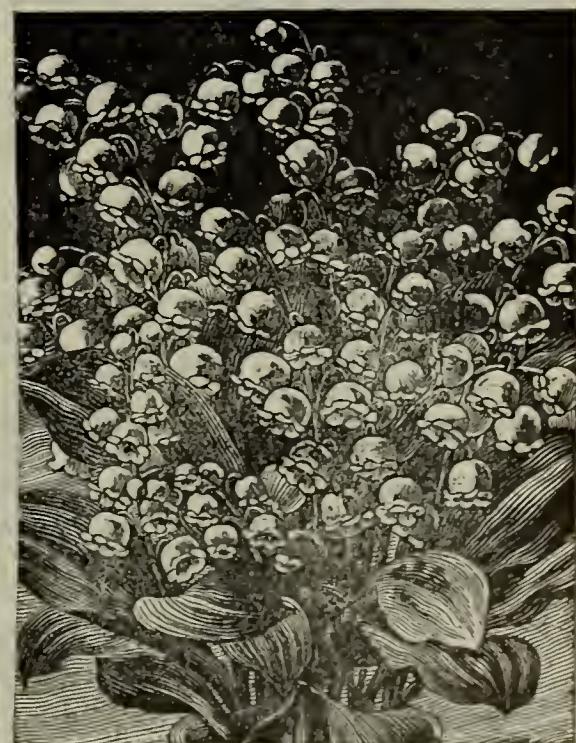
Lupinus (Lupins)

An effect equaled by a border of these cannot be imagined, as it is a wonderful sight. They commence flowering the latter part of May and are in bloom 4 to 5 weeks, 3 to 4 feet high. In extremely dry weather they should be watered liberally.

Polyphyllus. Blue. 15c. each; doz., \$1.50; \$12.00 per 100.

Polyphyllus. White. 25c. each; dozen, \$2.50; \$17.50 per 100.

Polyphyllus. Moerheimi. This is a new variety, with gigantic flower spikes, which are a combination of pure pink in light and dark shades. 35c. each; dozen, \$3.50.



Lily of the Valley

MICHELL'S GIANT FLOWERING IRIS

Ready in October



IRIS PUMILA

The first of the Iris to bloom resembling in appearance the German variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

	Each	Doz.	100
Violacea. Dark blue	\$0.15	\$1.50	\$10.00
Azurea. Light blue .....	.15	1.50	10.00
Lutea. Yellow .....	.15	1.50	10.00

IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The names being rather awkward, we have arranged them under number so they can be ordered more readily.

Mixed, all colors, large roots. 15c. each, doz. \$1.50, \$10.00 per 100.

No. Double Varieties.

- 1 **Yomo=No=Umi.** Early double, pure white.
- 2 **Koki=No=Iro.** Rich purple, veined white.
- 3 **Kuma Funjiu.** A silver shade, bordered lilac, veined white.
- 4 **Uchu.** Rich purple with crimson shading.
- 5 **Renjo=No=Toma.** Fluted petals of light violet, white centre, with light veinings.
- 6 **Wakamurasaki.** Purplish crimson, dark centre shaded lilac.
- 7 **Hodai.** Delicate lavender, veined with deep purple.
- 8 **Mana=Dsura.** A splendid late pure white.
- 9 **Ho=O=Jo.** Deep purple, with a velvety crimson sheen.
- 10 **Geishoi.** Brilliant crimson purple, elegantly veined white.
- 11 **Kan=Ran.** Pure white, with rich veinings of deep violet.

Single Varieties

- 12 **Tora=Odori.** Delicate lavender on white ground.
- 13 **Osakazuki.** Delicate mauve, shaded lilac.
- 14 **Komanyo.** Rich violet-blue, marked and veined white.
- 15 **Yomo=Zakuru.** Veins of deep purplish red on light ground.

Price of any of the above-named sorts, in strong roots, 25c. each, doz. \$2.50, \$15.00 per 100.

IRIS GERMANICA (German Iris)

This is the popular "Flag Iris," thriving best in a high, dry soil; when planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely; most effective when planted in masses either in the hardy border in front of shrubbery or in beds.

Eugene Sue. Creamy white, spotted and striped purple.

Gypsie Queen. Lavender-bronze, veined white.

Gloire de Hillegom. Light blue; very fine large flower.

Grachus. Crimson and white, a unique combination.

Honorabilis. Golden yellow, shaded rich bronze.

Innocenza. Pure white; very beautiful.

Kharput. Deep pure blue.

Leonidas. Clear mauve, changing to rosy mauve; very large.

Maori King. Rich golden yellow. 25c. each; doz., \$2.50.

Mad. Chereau. White, edged blue; one of the best.

Pallida dalmatica. Delicate lavender. 25c. each; doz., \$2.50.

Queen of May. Light pink; very early.

Mixed Varieties. All colors. 10c. each; doz., \$1.00; \$6.00 per 100.

Price of any of the above German Iris (except where noted), extra strong roots, 15c. each; doz., \$1.50; \$10.00 per 100.

IRIS SIBIRICA

One of the most elegant of all the Iris groups and among the easiest to grow, has grassy foliage with tall stems, very floriferous and one of the best for cutting.

Orientalis, Blue King. One of the most beautiful flowers, very large, rich deep purple.

Orientalis, Snow Queen. A new white-flowered variety of the type; petals broad and full, of snowy whiteness, and with rich golden yellow blotches.

15c. each; \$1.50 dozen; per 100, \$10.00.

Lychnis (Campion)

Of easy culture, they soon develop to large bushy plants, all of them showy when in bloom.

Chalcedonica. Heads of brilliant orange scarlet; 2 feet; all summer.

Dioscea Rosea. Very dwarf, 6 inches, double pink.

Haageana Hybrida. Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.

Semperflorens Pl. (*Cuckoo Flower*). 12 in., soft pink flowers, blooms all summer.

Viscaria (*Ragged Robin, London Pride*). Double red flowers on stalks 15 inches high, very showy; June.

Price of any of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

Lythrum (Loose Strife)

A perennial that will succeed in most any locality. It is a rank grower, throwing out flower spikes which are 3 to 4 feet high; flowering from July until September.

Roseum Superbum. Rich rose pink. 15c. each; doz., \$1.50; \$10.00 per 100.

Virgatum. Bright purplish pink, growing from 2 to 3 feet high, in flower all summer. 25c. each; doz., \$2.50; \$15.00 per 100.

Madeira Vines (See page 167)



Montbretia

Montbretia

Resembles somewhat the gladiolus, but in a miniature form. The flower-spikes are very brilliant and produced in quantity. The bulbs should be slightly protected during the winter; height, 2 feet. They should be planted in clumps of 50 or 100 bulbs.

Aurantiaca. Deep golden yellow.

Crocsmiaeflora. Scarlet and yellow.

Etoile de Feu. Vermilion, yellow centre.

Pottsii. Large, orange scarlet.

Rayon d'Or. Light yellow, spotted brown.

Speciosa. Golden yellow.

Any of the above 3c. each; doz., 30c.; \$2.25 per 100.

Monarda (Bergamot)

Didyma. In July and August this plant is covered with long flower-stems crowned with dazzling scarlet heads. It is one of those kinds that meet with favor everywhere. The foliage has an exclusive pleasing odor. It grows 2 to 3 feet high and makes a handsome show.

Fistulosa Alba (*White Bergamot*). An extremely showy plant with white flower heads, 2 to 3 feet high; July and August. Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

Moon Vines (See page 166)

Myosotis (Forget-Me-Not)

These very early spring flowering plants do well if set out in the fall. They are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. In extremely severe climates a little covering of straw or manure over the plants will prove beneficial.

Palustris Semperflorens. An attractive hardy variety; fine for cut-flower purposes; delicate blue. 10c. each; doz., \$1.00; \$7.00 per 100.

Oenothera (Evening Primrose)

After the sun begins to sink and many other perennials close their flowers for the day, the Oenothera is in its glory. Commences flowering in June and lasts throughout the season. The plants are about 10 inches high, and suitable for either border or rock garden work.

Missouriensis. Golden yellow; large.

Youngi. Rich lemon yellow.

Pachysandra

An evergreen trailing plant, with thick glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

Terminalis. Green, 6 to 8 inches high; small, insignificant flower spikes of a grayish white, in May and June.

Terminalis Variegata. A variegated form of the above.

Either of the above, 15c. each; \$1.50 doz.; \$10.00 per 100.

Pentstemon (Beard Tongue)

An odd-shaped flower, borne on stalks about 2 feet high. It somewhat resembles the Gloxinia, but is longer and narrower. Starts to flower in early summer and lasts until the frost will strike it down. It makes a brilliant show in the hardy border, also in rock gardens.

Barbatus Torreyi. Brilliant scarlet.

Digitalis. Purplish white flowers with dark purple throat.

Price of the above 15c. each; doz., \$1.50; \$10.00 per 100.

Phlox

Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May; nothing that flowers at the same season of the year can compare with it for beauty.

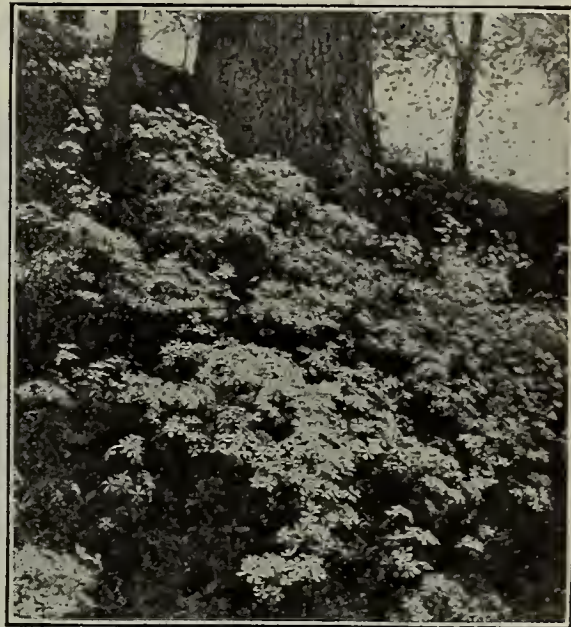
Phlox Subulata Alba. The same as Rosea, with pure white flowers.

(See also top of next column)

PHLOX (Continued)

Phlox Subulata Rosea (*Moss Pink*). Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.

Price of the above Phlox, 15c. each; doz., \$1.50; \$10.00 per 100. See also Page 138 for other Phlox.



Phlox Divaricata (See left hand column)



Hardy Carnation or Pink

Hardy Garden Pinks (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are absolutely perfect as an edging for the hardy border; as cut flowers, they are indispensable.

Carmen. A fine early light pink.

Delicata. A self-colored variety of a delicate lilac shade, on long stems. 30c each; \$3.00 dozen.

Gloriosa. A lovely shade of lilac mauve, with deeply fringed flowers. 30c. each; \$3.00 dozen.

Her Majesty. One of the best, pure white.

Lord Lyon. Deep pink, profuse bloomer.

Plumarius Fl. Pl. Mixed, all colors.

White Reserve. Flowers during the entire summer, pure white.

Price of any of the above, except where noted, 15c. each; \$1.50 doz.; \$10.00 per 100.

Iceland Poppies

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. They flower continuously the entire summer.

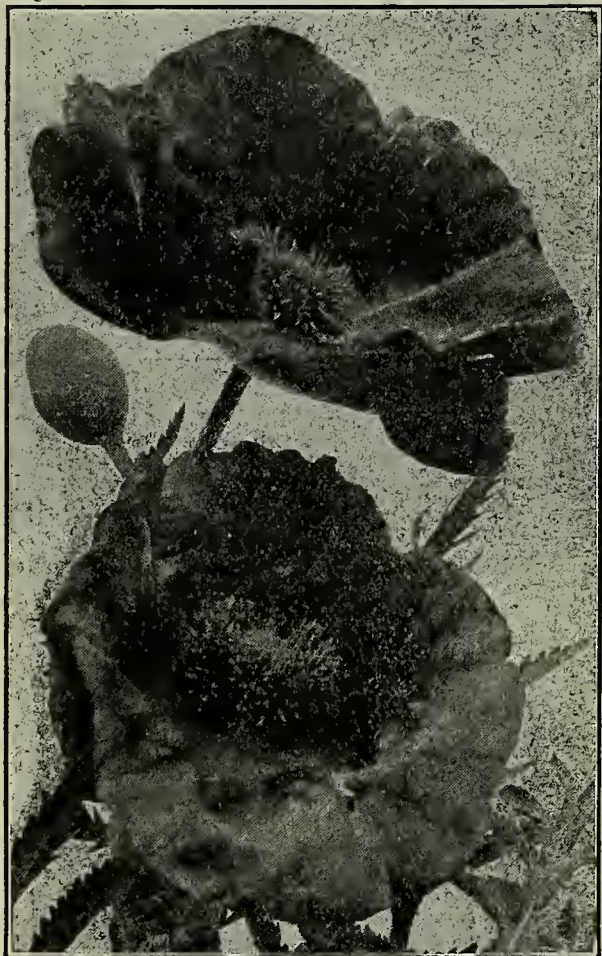
Orange King (Orange Yellow).

White.

Yellow.

Mixed Colors.

Any of the above 15c. each; doz., \$1.50; \$10.00 per 100.



Oriental Poppy

Oriental Poppies (Papaver)

In late years the hardy Poppies have come much in favor by reason of the great effect they make. The gorgeous colored flowers of the Oriental Type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take on the appearance as if they were dead. But they return to vigor usually as soon as the weather becomes cool. For the little trouble of placing and covering manure over them in the winter they will reward one with an extra wealth of bloom, although they are perfectly hardy.

Fuerstenkind. Brilliant scarlet.

Goliath. One of the most effective, large flowers of a rich scarlet; the largest flowered of this class. 25c. each; doz., \$2.50; \$18.00 per 100.

Mrs. Perry. Soft salmon rose.

Orange Scarlet. A rich color, handsome large flowers.

Parkmanni. Deep crimson.

Price of the above Poppies, 15c. each; doz., \$1.50; \$10.00 per 100.

Physostegia (False Dragon Head)

Attractive perennial, blooming usually the latter part of July and August. Grows from 3 to 4 feet high, throwing up spikes decked with delicate tube-shaped flowers, somewhat resembling a large-flowering heather.

Virginica. Delicate soft pink.

Virginica Alba. Pure white; very striking.

Price of either of the above 15c. each; doz., \$1.50; \$10.00 per 100.

Platycodon (Japanese Bell Flower)

Very useful for cutting, and with a very long flowering season, lasting from June until October. Height, 2 to 3 feet.

Grandiflorum. Beautiful blue; very handsome.

Grandiflorum Album. Identical with the above, except the color, which is pure white.

Price of either of the above 15c. each; doz., \$1.50; \$10.00 per 100.

Plumbago (Leadwort)

Larpentae. A dwarf spreading plant, splendid for rock garden and for edging hardy borders. During summer and fall months it is covered with rich deep blue flowers. 15c. each; doz., \$1.50; \$10.00 per 100.

Primula (Hardy Primrose)

One of the first of the early spring flowers which delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and, generally speaking, as a perennial are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

Auricula. A mixture of finest shades of red and yellow, of seed saved from the finest strains. 25c. each; doz., \$2.50; \$15.00 per 100.

Polyanthus. Velvety red, edged golden yellow. 15c. each; doz., \$1.50; \$10.00 per 100.

Veris (English Cowslip). A mixture, covering various shades of red and yellow. 10c. each; doz., \$1.00; \$7.00 per 100.

Vulgaris (English Primrose). Bright lemon yellow, with a distinct odor. 15c. each; doz., \$1.50; \$10.00 per 100.

Pueraria (See page 166)**Pyrethrum**

This is one of the handsomest perennials in cultivation to-day. The large daisy-like flowers appear as early as June and bloom continuously until September. They delight in a rich soil with a natural drainage. They thrive best in the full sunlight. As the flowers die, the old stems should be cut off to encourage new blooms.

Our collection of these is extremely fine and true to description.

Ne Plus Ultra. Double, soft lilac flowers. A splendid shade, and deserves to be in every collection of perennials.

Princess Metternich. Pure white, double; splendid variety.

Roi de Rouges. Double, brilliant red flowers, which appear in greatest profusion.

Above three varieties, 35c. each; dozen, \$3.50; \$25.00 per 100.

Uliginosum. Single giant white.

Single Hybrids in choice mixture.

Price of the single ones 15c. each; doz., \$1.50; \$10.00 per 100.

Rudbeckia (See page 161)**Salvia (Meadow Sage)**

Azurea. The plant is covered with a mass of rich sky blue flowers, commencing in July and lasting until September; about 3 feet tall. They make a good show if planted in masses. 15c. each; doz., \$1.50; \$10.00 per 100.

Salvia Virgata. See page 20.

Sedum (Stonecrop)

Acre. The foliage of this is a distinct attraction in itself, being of a yellowish green shade; for covering rockeries, in borders or beds on cemetery lots it is indispensable. The flower, which appears in July, is bright yellow and lasts on the plant a long while; height, 6 inches.

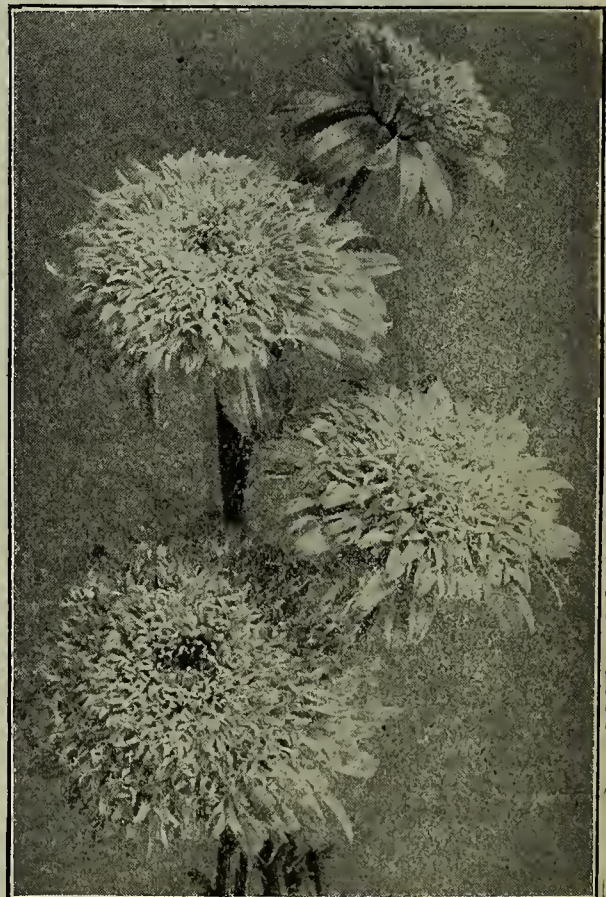
Album. Green foliage, white flowers; height, 6 inches.

Sieboldii. Roundish foliage, with a blue cast, the flowers, which appear in August and September, are bright pink.

Spectabilis. This variety grows about 18 inches and flowers in June, foliage light green, immense heads of pink flowers.

Spectabilis Brilliant. One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October. 25c. each; doz., \$2.50; \$15.00 per 100.

Price of any of the above, except where noted, 15c. each; \$1.50 per doz.; per 100, \$10.00.



Pyrethrum Ne Plus Ultra

Schizophragma (See page 167)



Rudbeckia Golden Glow

Rudbeckia (Cone Flower)

A variety of these will furnish a supply of cut flowers from early July until September. They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

Golden Glow. Double canary yellow; 6 feet; flowers in August.

Newmanni. Single dark orange with deep purple cone centre; 3 feet high; flowers from July to September.

Purpurea (Giant Purple Cone Flower). The flowers remain in perfect condition on the plants for four weeks at a time. In fact, we do not know of any other perennial where the flowers last so long in perfect condition. Flowers from July to September; 2½ feet high.

Either of the above 15c. each; doz., \$1.50; \$10.00 per 100.

Scabiosa

This hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently three inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water. The average height is about 2½ feet. Very free flowering.

Caucasica. A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

Caucasica Alba. Like the above, except the color is pure white.

Japonica. Rich lavender blue.

Any of the above three varieties 25c. each; dozen, \$2.50; \$15.00 per 100.



Shasta Daisy

Shasta Daisy

The glistening white flowers, often 5 inches in diameter, with an attractive yellow centre, begin to appear the latter part of July and last almost till snowtime. The flower stems are long and rigid, for cutting there are few perennials that approach it as regards keeping qualities.

Alaska. Pure white, yellow centre. 25c. each; doz., \$2.50.

Spiraea (Drop Wort)

Graceful border plants with feathery plumes of flowers; specially adapted for shady positions.

Filipendula Fl. Pl. A charming variety with double white flowers and deeply cut foliage, 1½ feet; June and July. 15c. each; \$1.50 doz.; per 100, \$10.00. For other Spiraeas see page 170.

Stachys (Wound Wort)

An attractive plant, 12 to 15 inches high, flowering in June and July.

Betonica Rosea. Rich pink. 15c. each; doz., \$1.50; \$10.00 per 100.



Scabiosa Caucasica

Statice (Sea Lavender)

This may be classed among the everlasting flowers, as it is principally grown for dried winter bouquets. The foliage is heavy, out of which rise large panicles made up of tiny florets, which produce a fine effect. Blooms usually from June till October.

Latifolia. Gigantic heads of dark blue flowers.

Eximia. Large panicles of pretty lilac flowers. 15 to 18 inches high.

Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.



Stokesia

Stokesia (Corn Flower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Frequently flowers are 4 inches in diameter; highly recommended for cutting; succeeds in most any location.

Cyanea. Very light blue.

" **Alba.** Pure white.

Price of the above, 15c. each; doz., \$1.50; \$10.00 per 100.

Sweet William (See page 162)

Thalictrum (Meadow Rue)

A popular hardy border plant with fine cut foliage, blooms during July and August.

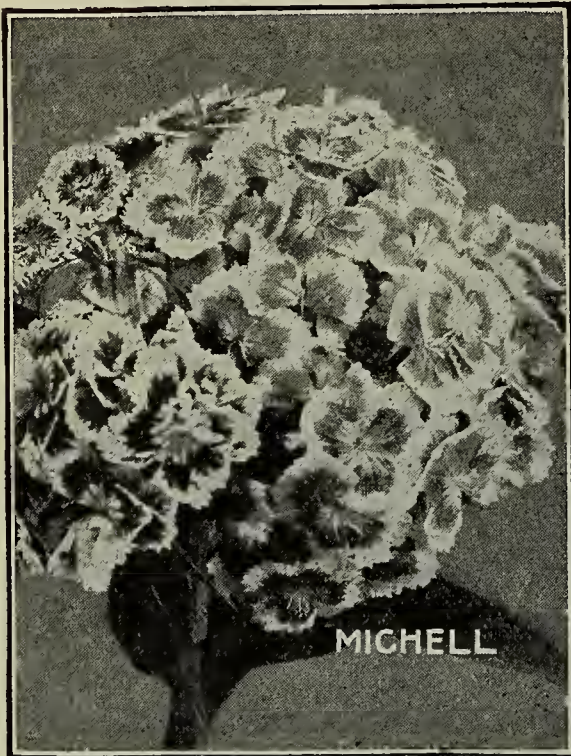
Aquilegifolium Atropurpureum. Produces heavy masses of light purple flowers on stems 3 feet high.

Aquilegifolium Album. Same form as above, with pure white flowers.

Either of the above 15c. each; doz., \$1.50; \$10.00 per 100.

Thermopsis

Fabacea. A tall growing, very showy plant, which produces long spikes of yellow flowers from June to August. 25c. each; \$2.50 doz.; \$15.00 per 100.



Sweet William

Sweet William (*Dianthus Barbatus*)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect, for just when they are in flower, it is generally too soon for other perennials; for wild garden effect, Sweet Williams rank in first place.

Michell's Prize Mixture. All colors.

Pink Beauty (sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

Pure White, Crimson, Red with White Eye, Maroon. Each color separate.

Price of any of the above in extra strong plants, 15c. each; doz., \$1.50; \$9.00 per 100.

Trillium (*Wood Lily*)

Excellent for shaded positions, flowering very early in spring. It looks best when planted promiscuously among hardy plants.

Erectum. Purple.

Grandiflorum. White.

Price of either of the above 10c. each; doz., \$1.00; \$6.00 per 100.

Trollius (*Globe Flower*)

An early flowering plant, lasting in bloom till August. It prefers a shaded location; while hardy, we recommend a slight protection to the plant in winter; height, 12 inches.

Caucasicus "Orange Globe." A fine bold variety, with large deep orange colored flowers.

Europaeus. Bright yellow, globular flowers.

Japonicus "Excelsior." Very deep orange colored flowers.

Price of any of the above, 25c. each; per doz., \$2.50.



Tritoma

Tritoma

(*Flame Flower, Torch Lily or Red Hot Poker Plant*)

In summer and autumn when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses make a handsome effect. Though the roots are considered hardy, we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fills every need.

Pfitzeri. Blooms from August till October; rich orange scarlet. 15c. each; doz., \$1.50; \$10.00 per 100.

Valeriana (*Spurred Flower*)

Coccinea. Showy heads of red flowers, in bloom all summer; 2 feet.

Coccinea Alba. A white form of the above.

Officinalis (*Hardy Garden Heliotrope*). Showy pink flowers from June to August, with a strong heliotrope perfume.

Price of any of the above 15c. each; doz., \$1.50; \$10.00 per 100.

Veronica (*Speedwell*)

A fairly numerous and much grown group of perennials which, with few exceptions, bears spikes of blue flower. The taller forms are very pretty border plants, and the dwarfier varieties are well suited for the rockery. Excellent for cutting.

Amethystinus. Amethyst blue, flowers in July and August, 1½ to 2½ feet.

Incana. White, silvery-like foliage, tufted with pale blue flowers; 12 to 18 inches. July and August.

The above 15c. each; doz., \$1.50.

See also top of next column.

VERONICA (*Continued*)

Longifolia Subsessilis. This is undoubtedly the most handsome variety in commerce, in fact, the most beautiful blue perennial we know of. Grows 2½ feet high and is completely studded with spikes of rich blue flowers from July to August. 25c. each; doz., \$2.50; \$15.00 per 100.

Spicata. Grows about 18 inches high, with long spikes of blue flowers.

Virginica. Free flowering, with bold upright habit. Pale blue; July and August.

Virginica Alba. Large, pure white.

Price of above Veronicas, except where noted, 15c. each; doz., \$1.50; \$10.00 per 100.

Vinca (*Periwinkle or Myrtle*)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Aurea (*New*). Identical in habit and value with the **Minor** type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes when mixed in plantings of the **Minor** variety. 25c. each; doz., \$2.50.

Minor. Green foliage, lavender flowers. Extra strong plants, 15c. each; doz., \$1.50; \$10.00 per 100.



Double Wallflower (See page 163)

Viola (Tufted Pansies)

A so-called everblooming pansy. They are in ways better than pansies, as they start to flower in April and are a blaze of color till killing frosts. While not as large as pansies the flowers are so free that they are planted extensively in preference to the latter. If possible they should be put in a shaded location where they flower most freely. **Blue and Purple, White and Yellow** varieties separate. 10c. each; doz., \$1.00; \$6.00 per 100.

Gustav Wermig. In crossing the Tufted Pansy with a sweet-scented Violet we have here a most wonderful new flower, resembling in form, shape, color and length of stem a well-known Florist's Violet, Princess of Wales, but the foliage is that of the Pansy. The most remarkable feature of this novelty is its freeness of Bloom; a bed of these is a sea of blue from beginning of May until frost time. 15c. each; doz., \$1.50; \$10.00 per 100.

Wallflowers (See page 162)

The old-fashioned fragrant flower of our grandmother's garden. Nothing but sweet-scented Stocks can approach them for exquisiteness of odor; the yellow, brown and red colors predominate. If planted in a sheltered spot against a building, along a wall or suitable location, they are hardy with slight protection, and flower freely each season. Pot grown plants, in mixture as above, 15c. each; doz., \$1.50; \$10.00 per 100.

FAIRMONT, W. VA.

Your shipment of perennials arrived yesterday, they certainly were a husky lot of plants and we were well pleased.

ALEX. MACELWEE.

Supt. to Hon. C. W. Watson.



Viola Cornuta (See opposite column)

Special Collection Offer of Perennials

To popularize Hardy Perennials, we offer collections as stated below. These are taken from varieties of our selection, and will give pleasing results.

Collection No. 1—12 plants, 12 vars. \$1.25

" " 2—25 " 25 " 2.25

" " 3—100 " 25 " 8.00

In ordering, mention special offer on page 163. These collections can be sent by express only, at purchaser's expense.



Yucca

Yucca (Adams Needle)

This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers July and August. A majestic plant, especially fine for producing tropical effects.

Filamentosa. White, with reflexed flower bells. Extra strong plants 25c. each; doz., \$2.50; \$15.00 per 100.



BIRDS EYE VIEW OF
**MICHELL'S
EVERGREEN SEED GARDENS**
TORRESDALE, PA.
SHOWING A BLOCK OF HARDY PHLOX

Plants can be sent by express and freight only. No Plants sent C. O. D.

(he)



A beautiful effect made with *Clematis Paniculata*

LARGE FLOWERING VARIETIES (Continued)

Integrifolia Durandi. Grows about 5 feet high, flowers early in the summer, intermittently until autumn; produces very large flowers of an intense shade of indigo blue; for pillar effects or planting to individual stakes in the garden they make fine shows. Conceded to be one of the finest of the Clematis family and is described as being of wonderful beauty. Extra strong, 60c. each; doz., \$6.00.

Montana Rubens (New). Medium-sized flowers, a soft shade of rosy red, looks excellent when massed among Clematis Paniculata. Though it dies down in the winter, the roots should be protected to ensure its remaining alive in the latitude of Philadelphia. Strong plants, 75c.; per doz., \$7.50.

Price of any of the above Large Flowering Clematis, except where noted in extra strong plants, 50c. each; doz., \$5.00.

SMALL FLOWERING VARIETIES

These flower profusely, and are in demand for covering porches, trellis and arbors, and to climb over posts and fences.

Paniculata (Japanese Virgin's Bower). A strong luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.

Flammula (Fragrant Virgin's Bower). White flowers, a trifle smaller than above; fragrant, blooms June and July. Extra strong plants, 50c. each; doz., \$5.00; \$35.00 per 100.

Coccinea. Bright red, bell-shaped small flowers, which begin to appear in June and last until frost. 25c. each; \$2.50 per doz.

Crispa. This variety bears sweet-scented, lavender flowers, white in the centre. It flowers early and continues until frost. Makes an excellent combination of color when planted with the Flammula and Coccinea varieties. 25c. each; \$2.50 per doz.

Tanguticus. An important introduction from China. Not only possesses the merits of Clematis Paniculata, but it has undoubtedly one of the finest foliage any Clematis can boast of. Quite different from the older types, being more graceful. The vines cover very densely, and even without flowers it is attractive. The latter are fairly large, hooded and of clear buttercup yellow. The main attraction of the variety lies in the fact that after it has ceased blooming, each flower produces a seed-pod which resembles the top of "Old Man's Cactus"; flowers in June. 75c. each; doz., \$7.50.

This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant, which is especially noticeable in the evening. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. In planting, care should always be exercised to see that the crown, from which the vine starts, is set down 2 to 3 inches below the surface, to prevent being broken off. A slight covering, in winter, of good manure over the roots of the plants is a wise precaution. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Our list of large flowering sorts is limited to the best varieties, which bloom generally in June.

LARGE FLOWERING VARIETIES

Note.—Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure or leaves around the roots.

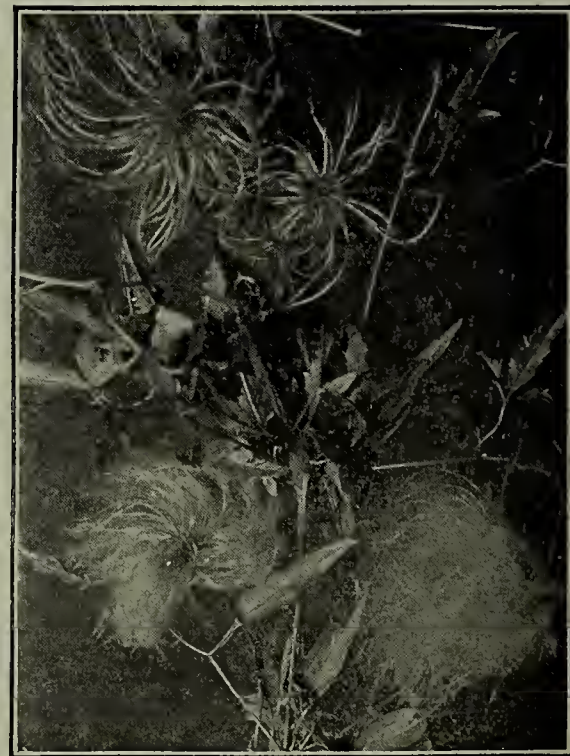
Henryi. Creamy white large single flower borne in great profusion.

Jackmanni. Violet-purple, intensely colored gigantic flower; one of the best.

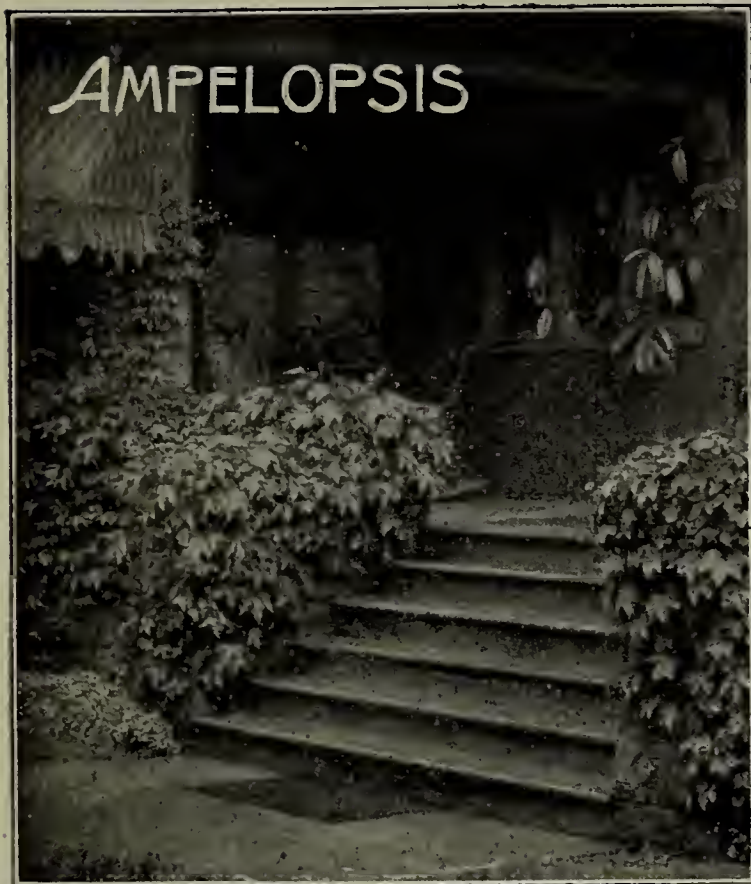
Jackmanni Alba. Pure glistening white; the best of the large flowering white varieties. Extra strong plants, 60c. each; doz., \$6.00.

Mad. Edouard Andre. Velvety red flowers are well formed of great substance; the blooms are gigantic.

Nelly Moser. White and pink in one flower; striped carmine pink, flowers are often 4 to 5 inches in diameter.



Clematis Tanguticus



Ampelopsis Veitchii

ARISTOLOCHIA (Dutchman's Pipe) Hardy

Sipho. Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. The vine retains its color throughout the entire summer. Large plants, 50c. each; per doz., \$5.00.



Kudzu Vine (see page 166)

Vines play an important part in every well arranged garden. Beautiful effects may be had by planting on pergolas, porch pillars, trellises and arbors. The variety embraces flowering and foliage kinds. We are pleased to advise as to the best kinds, if you mention the purpose you desire to fulfill.

ACTINIDIA (Hardy)

Arguta (*Silver Vine*). An introduction from China which in this country is grown principally for the dense shading foliage, which is very dark green, heart shaped. In its native home it is supposed to flower yellow, although in this country it has not been known to bloom. Fine for covering tree trunks, arbors, etc. Extra strong plants, 50c. each; doz., \$5.00.

AKEBIA (Hardy)

Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves and fragrant, purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100.

AMPELOPSIS (Hardy)

Quinquefolia (*Virginia Creeper*). The large, handsome, dark green leaves are deeply cut into five lobes, hence the name "Five Finger" is often given to it. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100.

Lowii (*New Japanese Ivy*). Conceded to be a great improvement over Veitchii. It possesses every one of the merits of the latter and resembles it in many ways, except that the foliage is smaller and more finely divided. It clings to the smoothest surfaces on its own accord. It grows very rapidly, having foliage of a light green shade. In the autumn it changes to bright scarlet. Extra strong plants, 30c. each; per doz., \$3.00.

Veitchii (*Boston Ivy*). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 25c. each; per doz., \$2.50 \$15.00 per 100.

BIGNONIA (Trumpet Vine) Hardy

These are strong-growing vines, with rich green foliage and large trumpet-shaped flowers.

Grandiflora. Large flowering, bright orange-red. Extra strong plants 50c. each; per doz., \$5.00.

Radicans. Dark red, free-flowering, throat shaded orange. 25c. each; doz., \$2.50.

CELASTRUS

(Bittersweet or Waxwort) Hardy

A native of this country and a vine of rapid, quick growth. In the early summer it produces yellow flowers, which by autumn have turned to a bright, orange-colored fruit, with red markings. The foliage is elongated, very dark green. Extra strong plants, 25c. each; per doz., \$2.50.

CINNAMON VINE (Hardy)

A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. Extra strong roots 10c. each; per doz., \$1.00; \$7.00 per 100. Strong roots, 5c. each; per doz., 50c.; \$3.00 per 100.

COBEA (Annual)

A beautiful blue, cup-shaped flowering, annual climber, very desirable for lattice covering, etc. Strong plants 20c. each; per doz., \$2.25.

ENGLISH IVY (Hardy)

This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 25c. each; per doz., \$2.50; \$15.00 per 100.



Bigonia Grandiflora

MICHELL'S CLIMBING PLANTS AND VINES

EUONYMUS (Hardy)

Radicans Variegata. While strictly speaking, this is a trailing or creeping plant; it is so well suited, to climb over stone walls, tree stumps and like places, we add it to our list here. It is of an evergreen nature and will be found exceedingly valuable for rock garden work. The foliage is small, variegated green and white. Slow growing, perfectly hardy; can be trimmed at will. 15c. each; doz., \$1.50; \$10.00 per 100.

HOP VINE (Hardy)

Golden Leaved. Identical in growth and habit as the Japanese except for foliage, which is bright yellow. The green variety planted with this yields an attractive combination. 15c. each; doz., \$1.50; \$10.00 per 100.

Japanese. A rapid grower, with dark green foliage, and bears a profusion of seed-pods suitable for many domestic purposes. Strong pot plants, 15c. each; per doz., \$1.50; \$10.00 per 100.

HONEYSUCKLE (Hardy)

Chinese Evergreen (Woodbine). Red, yellow and white variegated flowers; very fragrant; blooms the entire season.

Halliana. (Hall's Honeysuckle). Flowers pure white, turning to yellow; fragrant, hardy evergreen; flowers from June until frost.

Heckrothi. Deep red flowers with yellow throat; in bloom continuously; a beautiful contrast to the ordinary sorts.

Red Coral or Scarlet Trumpet. Bright red, trumpet shaped flowers. In bloom most of the summer.

Variegated (Aurea reticulata). Foliage beautifully mottled yellow and green; flowers white and yellow.

Price any of the above strong plants 25c. each; per doz., \$2.50; \$18.00 per 100. We can supply extra strong plants of **Halliana** and **Chinese Evergreen** Honeysuckles. 50c. each; per doz., \$5.00.

HARDY CLIMBING JASMINES

Splendid for sheltered positions. They will winter outside as far north as New York, provided a little protection be given them.

Nudiflorum. Fragrant yellow flowers before the foliage makes its appearance. 25c. each; dozen, \$2.50.

Officinale. Pure white, very fragrant. 25c. each; \$2.50 dozen.

KUDZU VINE (Pueraria Thunbergiana) Hardy

It is often remarked, that this vine grows a foot a day, and those who have seen it, would believe that this has not been exaggerated. Makes a dense covering, exceedingly attractive. Towards the end of summer it produces insignificant rosy-purple flowers, resembling pea blossoms.

Extra large plants, 30c. each; per doz., \$3.00; \$20.00 per 100.

LATHYRUS

(Hardy Sweet Pea)

This makes an elegant show, planted against trellis, lattice or individual posts. It is one of the very few vines which produces flowers adapted for cutting.

Latifolius Pink Beauty. Brilliant rose.

Latifolius Albus. Pure white.

Extra strong plants of the above, 25c. each; per doz., \$2.50.

MOON VINES

(Annuals except where noted)

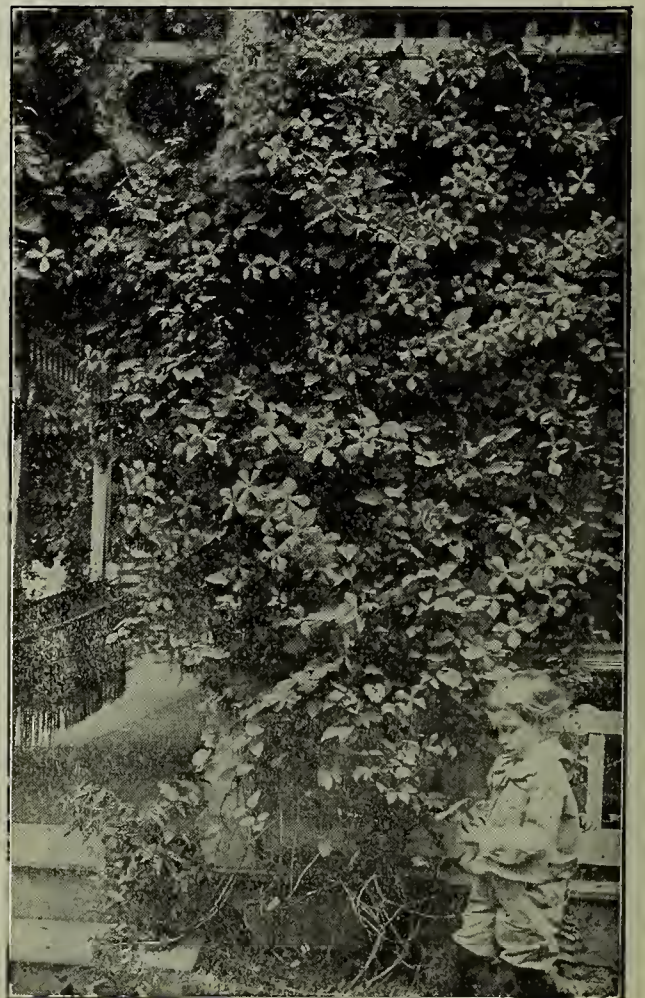
Learii (Blue Dawn Flower).

Enormous bloomer of intense violet shade, frequently 6 or more inches in diameter, producing at times as many as 30 flowers on a stalk. Strong roots, 15c. each; per doz., \$1.50.

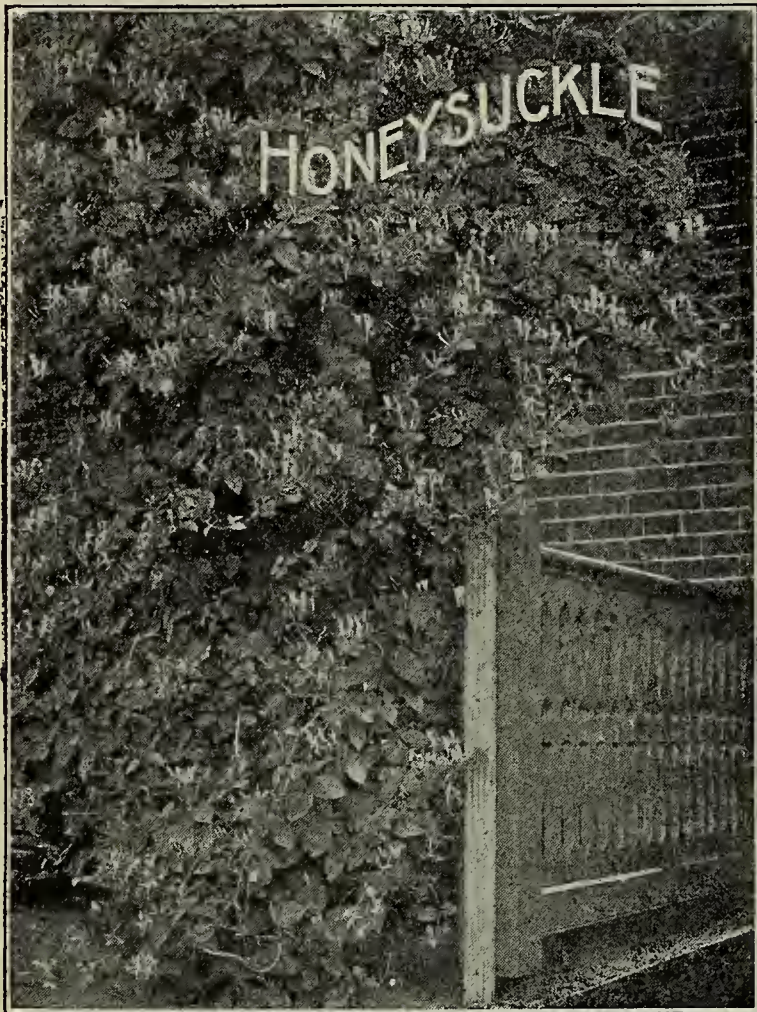
Noctiflora. A pure white variety blooming in the evening, the flowers are very large, not hardy. Large plants, 20c. each; per doz., \$2.25; \$17.00 per 100.

Paniculata. Beautiful rose-pink flowers, large in size. Strong roots, 25c. each; per doz., \$2.50.

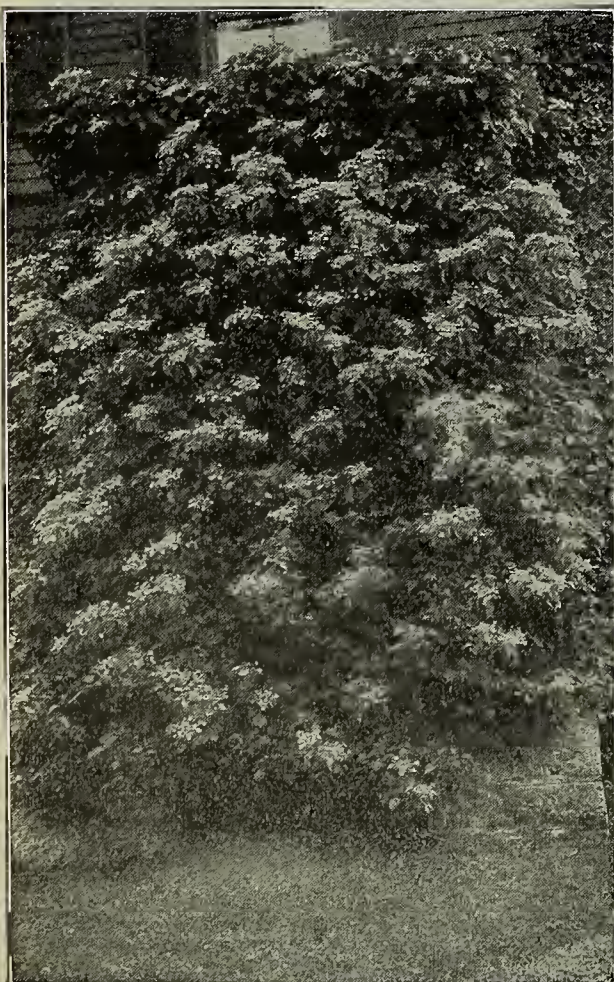
Pandurata (Hardy). The quickest growing of all Moonvines, climbing 50 feet in a season, producing a dense shade. The flower is medium sized, creamy white with a pinkish tint in the throat. Extra strong roots, 15c. each; per doz., \$1.50.



A beautiful effect made by Large Flowering Clematis (see page 164)



A few vines planted on unsightly spots will soon prove a great pleasure.



Climbing Hydrangea (see page 167)

MADEIRA OR MEXICAN VINE (Hardy)

The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 5c. each; per doz., 40c.; \$3.00 per 100.



Passion Vine

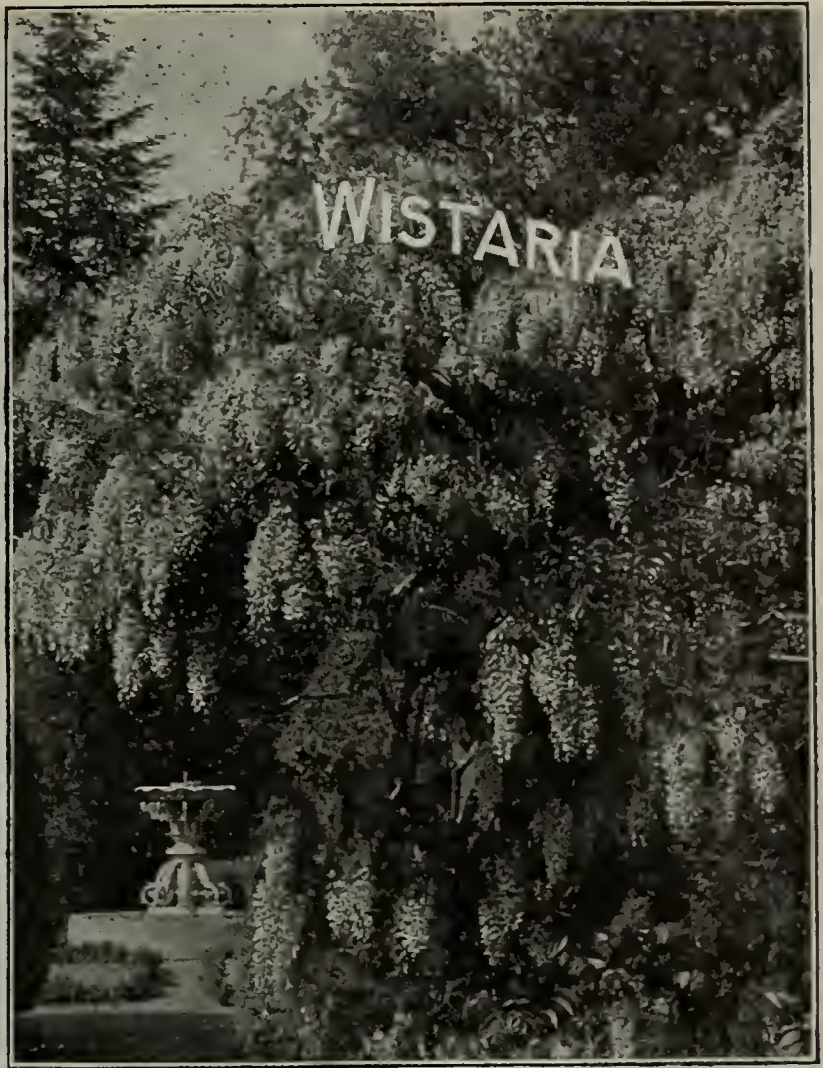
PASSIFLORA or PASSION VINE (Annual)

In our grandmothers' time this was the most important of vines, and could probably be found in most every garden where plants were grown. It is exceedingly attractive, both for foliage and flowers. Climbs best on a trellis and produces continuously from July until frost, richly colored flowers. The plants can be taken up in the fall, cut back and wintered over, if kept in a light cool place and watered occasionally.

Pfordii. This is probably the best of the Passion Vines. Even real small plants flower. They are shaded rich blue, edged rose pink. Extra strong plants, 25c. each; doz., \$2.50.

SCHIZOPHRAGMA (Climbing Hydrangea)

Hydrangeoides. In reality this is a very old variety of Climbers, having been introduced almost 50 years ago from Japan. Large white flower trusses somewhat resemble a Hydrangea and produce a remarkable display when in full bloom during July and August. It is adapted for clinging to any rough surface and particularly suited for twining about tree trunks. It is a vine that ought to be in every collection of climbers. Our stock of plants is of extra fine quality. 75c. each; per doz., \$7.50.



WISTARIA (Hardy)

No plant, vine or shrub can equal the display made by the Wistaria. It flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. The graceful effect it produces is hard to describe, the blue variety being especially attractive. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

Chinensis (Chinese Wistaria). Pale blue, somewhat fragrant. Strong plants, 50c. each; dozen, \$5.00. Extra strong plants, \$1.00 each; dozen, \$10.00.

Chinensis Alba. A beautiful white flowering form of the above. Looks especially attractive, when intermingled with the blue variety. Strong plants, 50c. each; per dozen, \$5.00. Extra strong plants, \$1.00 each; per dozen, \$10.00.

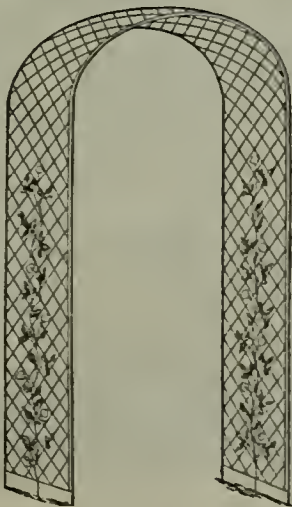
TRELLIS WORK FOR CLIMBING VINES OF ALL KINDS

On page 203 we list a full line of wood and wire trellis stock sizes. Arches and Upright Wire Work are supplied to order promptly.

GALVANIZED WIRE ARCHES

These can be furnished on short notice any height or any width. Made of extra heavy galvanized diamond mesh wire with strong frames to prevent sagging.

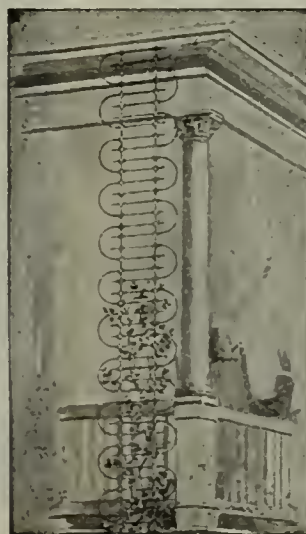
Price 25c. per square foot.



CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porches, verandas, pergolas, etc. Thoroughly galvanized and well made.

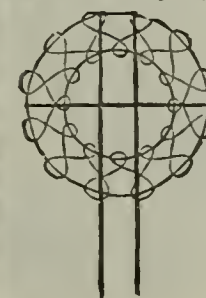
Any length desired up to 150 running feet.
13 in. wide. Less than 150 ft. rolls, 12c. per ft.
13 in. wide, in roll lots, 150 ft., 10c. per ft.
19 in. wide, less than 150 ft. rolls, 14c. per ft.
19 in. wide, in roll lots, 150 ft. 12c. per ft.



Continuous Trellis

Upright Wire Trellis Work (Made to Order) 25c. per sq. foot. Wire Trellis (Made to Order)

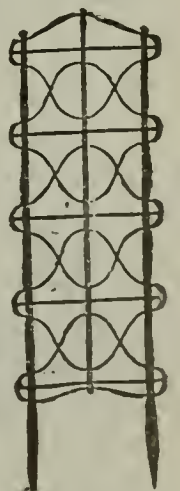
We are able to have made, at short notice, special sizes of wire trellis, any length and any width, at 25c. per sq. ft.



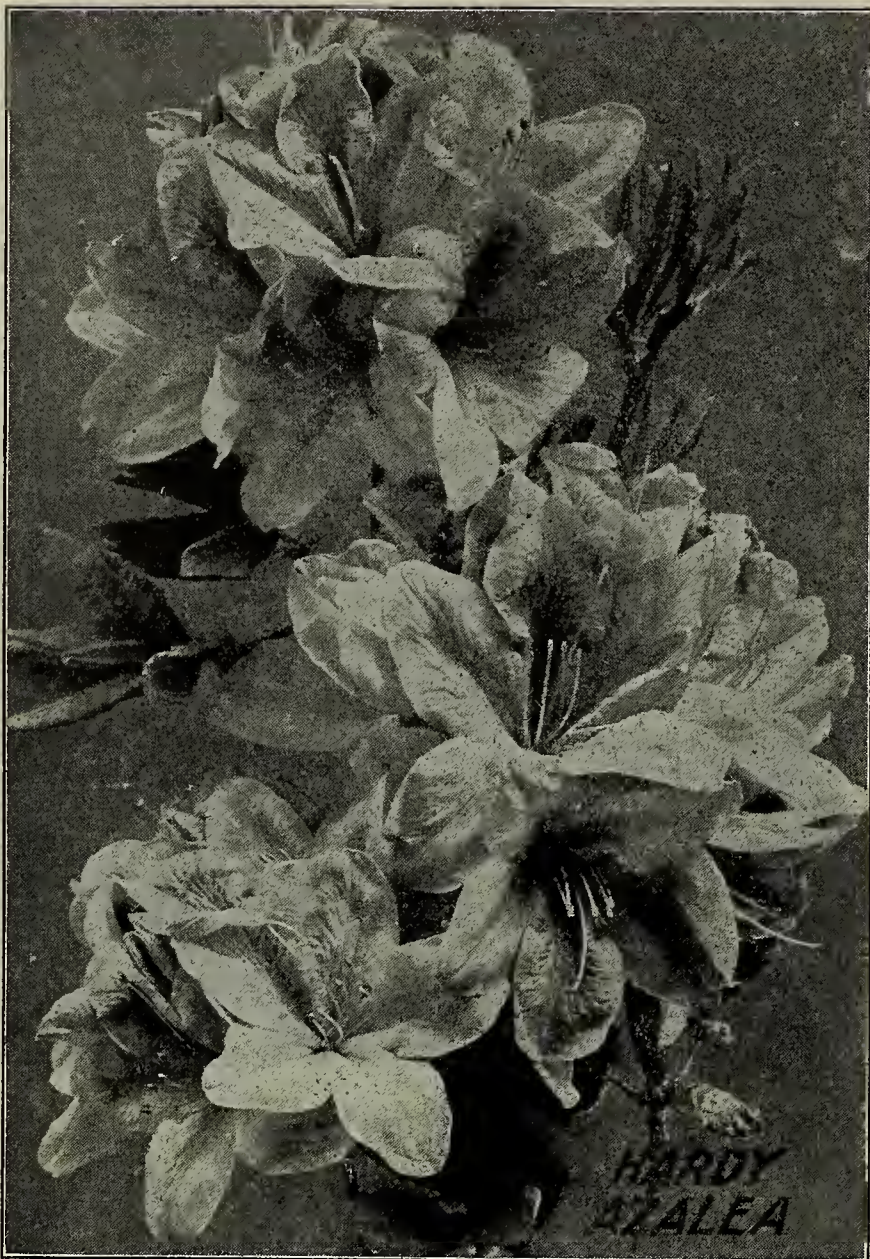
Ivy Style Trellis



Oval Trellis



Wooden Veranda Trellis



Azalea

Amoena. Dwarf bushy shrub; covered in April and May with masses of purplish-red double flowers, which last from 3 to 4 weeks. The foliage remains all winter, when it takes on a coppery-red shade. \$1.00 each; per doz., \$10.00.

Anthony Koster. A type of the Mollis variety, with exceptionally large flowers of a golden orange. The color is very bright and the sort is considered the best of the Mollis varieties; flowering in May; 12 to 15 in. plants. \$1.00 each; per doz., \$10.00; \$72.50 per 100.

Mollis. Of dwarf bush-like habit, with light green leaves. The flowers are as large as the Azaleas, usually seen in greenhouses. There are but two colors of it, yellow and red; it blooms about the middle of May. When massed in a large bed they create a particularly beautiful spot; mixed colors. 75c. each; per doz., \$7.50.

Hinodegiri. A much more brilliant variety than Amoena. Grows 2½ feet high and is literally smothered with masses of bright, fiery red single flowers in April and May. Strong plants, 12 to 15 inches high. \$1.25 each; doz., \$12.00.

Althea (See Hedge Plants, page 172)

Berberis (Japanese Barberry)

Thunbergii. A good, hardy plant of low, dense growth for lawn or border. It is a brilliant light green spring to winter. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

	Doz.	100	1000
1 to 1½ feet (plant 8 to 10 inches apart) .	\$2.00	\$15.00	\$120.00
1½ to 2 feet (plant 10 to 12 inches apart) .	2.75	18.00	150.00
2 to 2½ feet (plant 12 inches apart)	4.00	27.50	200.00



Pyramidal Box



Untrimmed Boxwood

All extra strong Flowering size.
Shipping season April 1st to May
15th and October to December.

Boxwood

These are fine for planting out as individual specimens in the lawn or along paths and drives. We have imported a limited number of these desirable plants in pyramidal form and in natural or untrimmed state. The last named can be used for hedge effects, as individual specimens in porch or window boxes.

Pyramidal Shaped Boxwood (in Tubs).

2½ ft. high, \$2.00 ea.; pair, \$3.75	4 ft. high, \$7.00 ea.; pair, \$13.50
3 ft. high, 2.75 ea.; pair, 5.25	5 ft. high, 10.00 ea.; pair, 19.00
3½ ft. high, 4.50 ea.; pair, 8.75	

Note.—We can supply matched pairs wherever desired.

Bush Shaped Untrimmed Boxwood (in Pots).

10 inches high, 40c. each; dozen, \$4.00.
12 inches high, 50c. each; dozen, 5.00.
15 inches high, 75c. each; dozen, 7.50.

Boxwood (For Edging) (see page 172)

Buddleia (Butterfly Bush)

(See front cover for color illustration.)

Variabilis Magnifica. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. Strong plants, which will flower the first year, 50c. each; \$5.00 per doz.

Calycanthus (Sweet Shrub or All Spice)

Floridus. Chocolate-colored double flowers, with a peculiar, agreeable odor. Blooms in June. A common shrub in old gardens. 30c. each; per doz., \$3.00.

Cytisus (Golden Chain)

Laburnum. A large shrub with shining green leaves and racemes of Wistaria-like yellow flowers, which appear in early summer. 35c. each; per doz., \$3.50.

Clethra (Sweet Pepper Bush)

Alnifolia. Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 30c. each; per doz., \$3.00.

Exochorda (Pearl Bush)

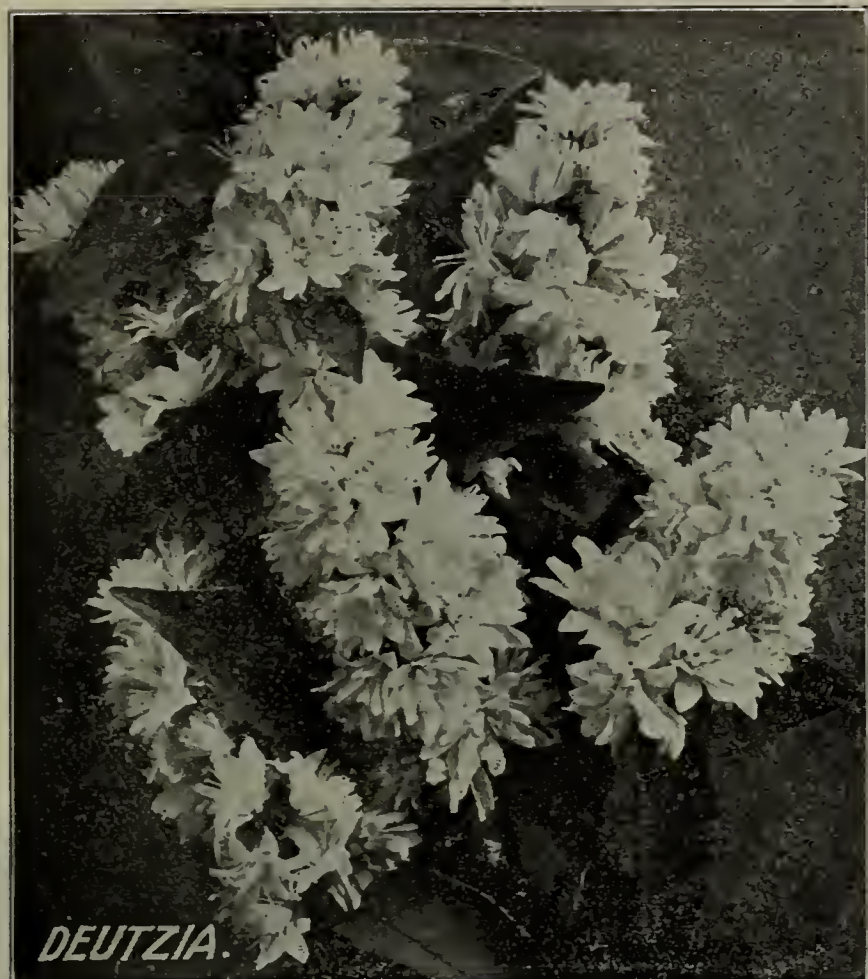
Grandiflora. A profuse bloomer in the early summer. Flowers star shaped, sometimes an inch in diameter; pure white. 2 to 3 feet, 25c. each; per doz., \$2.50.

Eleagnus (Japanese Oleaster)

Longipes. A desirable nearly evergreen shrub of medium height, with light green foliage, which is silvered on the under surface. The orange-scarlet colored berries are very attractive during late summer. Each, 30c.; \$3.00 doz.

Shrubs Travel Best by Express or Freight. No Plants Sent C. O. D.

(hc)



Deutzia

The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. They can be used for cut flowers.

Candidissima (Fl. pl.). Abundant racemes of double, pure white flowers in June, luxuriant foliage and fine habit.

Crenata Fl. Pl. Double flowers white, tinged with rose, blooming in June. 2 to 3 feet, 25c. each; per doz., \$2.50.

Gracilis. Of dwarf, bushy habit. White flower.

Price of the above (except where noted), 30c. each; doz., \$3.00.



Hydrangea Paniculata Grandiflora

Euonymus (Burning Bush)

Europeus. A conspicuous tall growing shrub, with attractive foliage, in the autumn the plant is covered with orange yellow berries, which hang individually. Each 30c.; \$3.00 doz.

Forsythia (Golden Bell)

Fortunei. The yellow flowers are produced very early in spring before the leaves appear, frequently the latter part of March in the latitude of Phila., making it very attractive. 2 to 3 feet. 30c. each; per doz., \$3.00.

Hydrangea

Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size. It comes into bloom early in June, lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 30c. each; \$3.00 doz.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong plants, 30c. each; per doz., \$3.00. Extra strong stock, 50c. each; per doz., \$5.00.

Hydrangea (Otaksa) (see page 137)

Kalmia (Mountain Laurel)

For planting in conjunction with Rhododendrons and Evergreens, the Laurel fills an important part. Foliage is evergreen and about May and June, according to locality, the plant is a mass of flowerheads, resembling somewhat the Rhododendron.

Latifolia. A delicate pink, changing to white as they expand. Grows best in woodland or under trees. Strong plants, 18 to 24 inches, 75c. each; per doz., \$7.50; \$50.00 per 100.

Kerria (Globe Flower or Corchorus)

Shrubs with light green branches. Does well in any soil, in shaded or open locations flowering in May and June.

Double-flowered. Of medium size; double yellow flowers. 30c. each; per doz., \$3.00.

Philadelphus (Mock Orange or Orange Blossoms)

A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June, the bushes are literally covered with flowers.

Coronarius. Handsome foliage and beautiful white flowers, quite fragrant. 30c. each; per doz., \$3.00.

Grandiflorum. A tall growing white variety, robust grower. 30c. each; doz., \$3.00.

Lemoines Erectus. A choice and graceful variety, producing fragrant, pure white flowers in June. 35c. each; doz., \$3.50.





Lilac (*Syringa*)

Common Purple (*S. Vulgaris*). One of the best. Fragrant. 2 to 3 feet. 25c. each; per doz., \$2.50.

Common White. Like the purple common type, but pure white in color, and slightly more fragrant. 2 to 3 feet. 25c. each; doz., \$2.50.

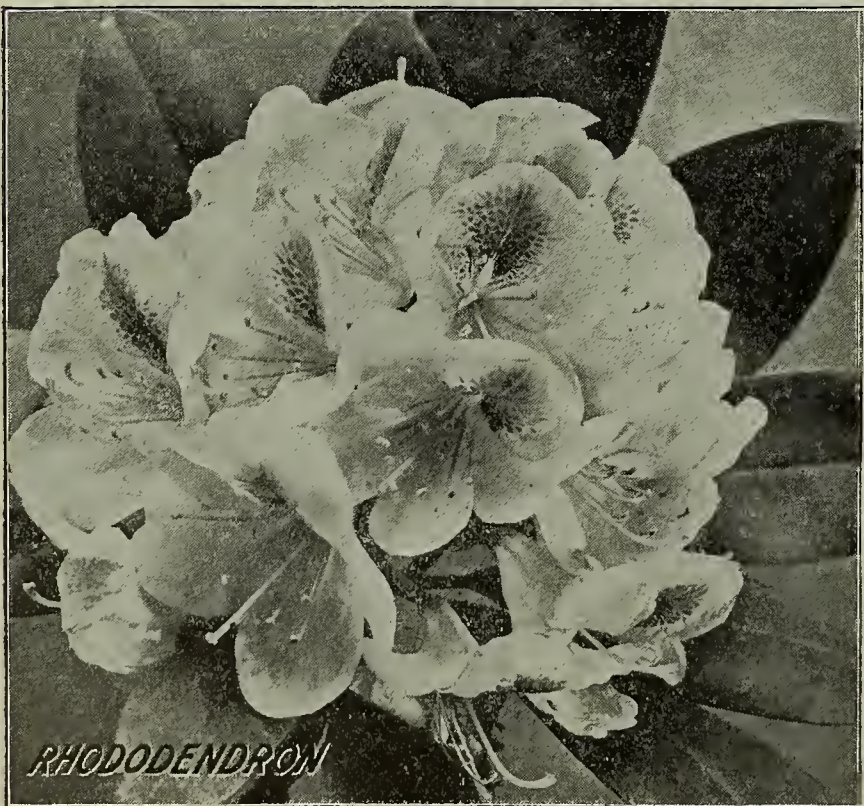
Charles X. Large reddish-purple, with heavy flower trusses.

Marie Le Gray. Single pure white, very fragrant.

Persian. Purple. A profuse and early blooming sort.

White Persian. Same habit and form as the preceding, but white flowers. 2 to 3 feet.

Price of any of the above, except where noted, 50c. each; per doz., \$5.00.



(See prices of Rhododendrons, top of next column)

Rhododendrons

No plants are more gorgeous or effective than these, even when not in flower the evergreen plant is attractive, the immense flower heads which appear in May almost cover the plant which increases in size and beauty each year.

They require good garden soil, which should be dug 30 to 36 inches deep and mixed with peat or leaf mould. It is advisable to protect with leaves or brush during winter to ensure plenty of bloom the following year.

Our list contains some of the best named varieties.

We can also furnish larger specimens in our selection of varieties, your selection of colors.

Album Elegans. Pure white, gigantic flower heads.

Caractacus. Crimson or blood red, a handsome shade.

Chas. Dickens. Red, a shade between light and dark.

Everestiana. Lavender, very delicate and of great beauty.

Fastuosum (Double). Lavender; very large flower heads.

Lady Gray Egerton. Blush white, very delicate.

Roseum Elegans. Rose pink, large flowers.

James MacIntosh. Scarlet; a rich glowing shade.

Price of any of the above, 18 to 24 inches high, with plenty of buds, \$1.50 each; per doz., \$15.00.

We are prepared to quote prices on car lots of native Rhododendrons for large plantings.



Spirea Prunifolia (Bridal Wreath)

Spirea

This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from this it can be seen that a collection of them will make an effective variety.

Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers. 2 to 3 feet, 30c. each; per doz., \$3.00.

Opulifolia Aurea. Bears an abundance of fragrant white flowers in clusters during June; the leaves are golden in spring but darken as the season advances. 30c. each; doz., \$3.00.

Paniculata Rosea. A graceful shrub with waving branches decked in June with panicles of pink flowers. Each 30c.; \$3.00 doz.

Prunifolia (Bridal Wreath). The pretty double white flowers are all along the almost leafless stems about May 1st, just as the leaves are budding. 3 to 4 feet, 30c. each; per doz., \$3.00.

Reevesiana. Clusters of white florets, which bend the branches gracefully and cover them completely; an excellent companion to *S. Van Houttei*; flowers in May. Each 30c.; \$3.00 per doz.

Van Houttei. This handsome species is the most desirable, flowers pure white, in great abundance, in May exceedingly beautiful, a strong, robust grower. It is of compact habit and a beautiful ornament for the lawn. 3 to 4 feet, 30c. each; per doz., \$3.00.

(he)

ALL EXTRA STRONG FLOWERING SIZE



Viburnum (See Opposite Column)

Viburnum

Carlesi. A new Japanese variety of a compact bushy habit, bearing sweet-scented white flowers, somewhat after the style of a Bouvardia. This is a splendid addition to the Viburnums. 75c. each; doz., \$7.50.

Plicatum (Japanese Snowball). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. Extra fine plants, 30c. each; per doz., \$3.00.

Viburnum Opulus (High Bush Cranberry). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, each 30c.; \$3.00 per doz.

Vitex (Chaste Tree)

Agnus Castus. A useful shrub of graceful habit, with heavy spikes of lilac-colored flowers, 6 to 8 inches long; in bloom August and September; height, 6 feet. 30c. each; doz., \$3.00.

Hardy Flowering Vines

A complete list of these will be found on pages 164-167.

SPECIAL OFFER

COLLECTION OF HARDY FLOWERING SHRUBS

For those who are uncertain as to the proper selection of desirable shrubs we offer in our selection:

Collection No. 1. 6 flowering shrubs, 6 choice sorts, our selection of varieties, total \$1.50.

Collection No. 2. 12 flowering shrubs, 12 choice sorts, our selection of varieties, total \$2.75.

Prunus

Pissardi (Purple-leaved Plum). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers. 35c. each; doz., \$3.50.

Robinia

Viscosa Rosea (Pink Laburnum). Grows in tree form, well branched and attains a height of 15 feet. The blooms, which resemble wistarias, are of a delightful pink color and appear in July, when the tree is a real attraction. Strong plants, 6 feet. Each, \$1.50; \$15.00 per doz.

Symphoricarpus

Racemosus (Snowberry). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. 30c. each; doz., \$3.00.

Sambucus

Aurea (Golden Elder). Attractive by its golden foliage and desirable to mix with other shrubs to relieve the sombreness of green. 30c. each; doz., \$3.00.

Weigelia

Abel Carriere. Blossoms are of a bright rose; one of the best; extra strong. 35c. each; doz., \$3.50.

Amabilis. A pink flowering variety, in bloom during June and July; extra strong plants. 30c. each; doz., \$3.00.

Candida. Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. 30c. each; doz., \$3.00.

Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts. 30c. each; per doz., \$3.00.

Rosea. Fine rose-colored flowers, considered one of the finest of flowering shrubs. Blossoms in May. 30c. each; per doz., \$3.00.

Sessifolia syn. lutea. Of strong growth, with clusters of yellow flowers; very hardy. Desirable on account of its attractive foliage, which turns a reddish brown. 50c. each; per doz., \$5.00.



MICHELL'S HEDGE PLANTS

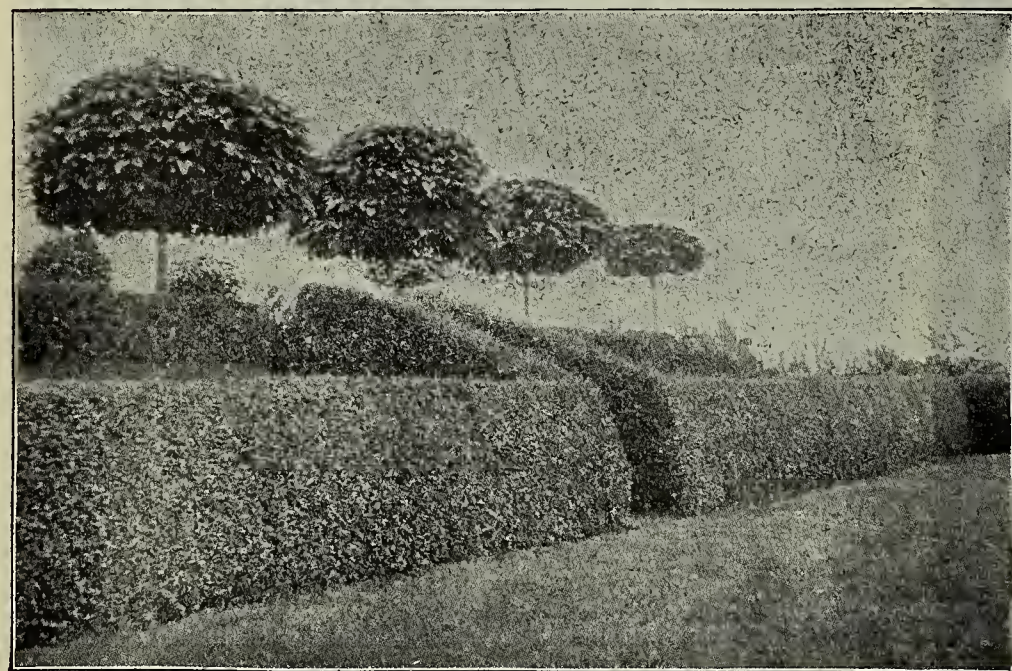
Our stock of these is grown at MICHELL'S
"EVERGREEN" SEED GARDENS, Torresdale, Pa.

CALIFORNIA PRIVET

Exceedingly beautiful; leaves deep green, bright and very glossy. Especially adapted for hedges at the seashore; easily transplanted. The plants we supply have been grown in our own plant establishment and only selected stock is sent out. It is unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Philadelphia. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and receive in addition a liberal application of Michell's Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other, this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 1st to November 15th and from March 15th to May 15th. Ask for our special free circular on California Privet.

ROSA RUGOSA (Japanese Rose)

Its luxuriant foliage, dense compact growth, rapid development, and flowering feature places it in a class of its own. The flowers appear in clusters, are very large, often 4 inches in diameter, single semi-double and double; in red, white and pink shades, and some of them may be seen on the plants during the entire summer and fall; during the winter they are decorated with large bright scarlet seed pods. In separate colors as noted above. 30c. each, doz. \$3.00, \$20.00 per 100.



California Privet with Catalpa Trees in the rear

PRICES OF CALIFORNIA PRIVET

	Doz.	100	1000
1-year-old, 18 to 24 inches high.....	\$0.60	\$3.00	\$25.00
2-year-old, 24 to 30 inches high.....	.75	4.50	40.00
2-year-old, 30 to 36 inches high.....	1.00	5.50	45.00

Specimens in bush form, 3 to 4 feet high, 50c. each; per doz. \$5.00.

GOLDEN or VARIEGATED LEAVED PRIVET

In form and habit, like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited, when available it will become very popular, we recommend it especially for placing among shrubbery or for planting on the lawn, the contrast between the grass and golden foliage is beautiful.

Bushy Plants, 18 to 24 in. high, 15c. each, doz. \$1.50, 100 \$10.00.

ALTHEAS (Rose of Sharon)

These make very desirable flowering hedges. They are robust growers and bloom abundantly at the close of July and last for four or five weeks.

	Each	Doz.	100
2 to 3 feet	\$0.25	\$2.50	\$15.00
3 to 4 feet .....	.40	3.50	20.00

BERBERIS THUNBERGII (Japanese Barberry)

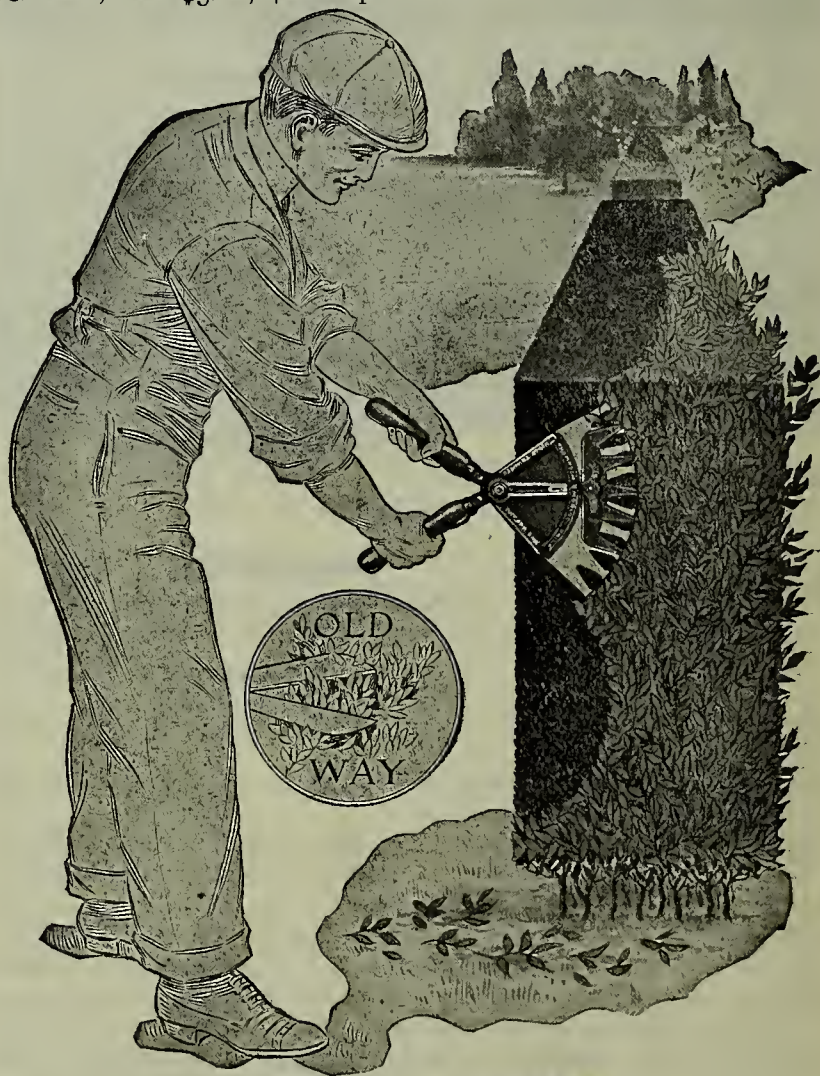
A good, hardy plant of low, dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in the lawn or border. We predict for this plant a wide future. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

	Doz.	100	1000
1 to 1½ feet, plant 8 to 10 inches apart..	\$2.00	\$15.00	\$120.00
1½ to 2 feet, plant 10 to 12 inches apart..	2.75	18.00	150.00
2 to 2½ feet, plant 12 inches apart.....	4.00	27.50	200.00

BOXWOOD (Buxus suffruticosa. For Edging)

In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a home-like feeling to the surroundings. At times, especially in the morning, or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood enclosures, planted a hundred years ago, are in existence to-day. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

Strong Plants, 4 to 6 inches high, \$1.00 per doz., per 100 \$6.00, \$50.00 per 1000.



UNIQUE HEDGE TRIMMER

Cuts 4 times faster than the old style hedge shear. Guaranteed satisfactory or money back. Clips 16-in. wide swath. \$5.00 pair.

We Can Also Supply All Other Varieties of Hedge Plants.

NEW VARIETIES OF POPULAR FRUITS

CACO GRAPE (A cross between Concord and Catawba)

The most delicious of all Grapes—perfectly hardy, has been pronounced by America's most expert grape growers to *equal in high quality and melting texture* the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent.

The large berry is wine-red. Bunch of good size, compact and of good form. Ripens ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine a very strong vigorous grower, healthy and prolific.

Fruit for past two years sold in open market by the crate at more than double the price of any other variety.

Awarded a medal by the American Institute of New York; the highest honor ever conferred a variety of fruit by this (time honored) institution. We cannot recommend the Caco too highly.

Very strong vines, 2 years, each 50c. (postpaid, 60c. each); dozen, \$5.00; 100, \$35.00.

STAR BLACKBERRY

Imagine picking great clusters of giant sized Blackberries from canes that resemble grape vines. This is what you can do if you plant the Star Blackberry. The yield is so great that over eighty quarts of berries have been picked from a single plant of it in one season.

Train to a stake or trellis or over an arbor as grapes are grown—and give them plenty of room.

Berries large, of attractive appearance and rich, sprightly and luscious quality.

They keep in good condition for a long time and can be safely shipped almost any distance. The ideal berry for the home garden. Transplanted plants, which should bear this year, each, 30c.; dozen, \$3.00; 100, \$15.00.

(If desired by Parcel Post allow 5c. for mailing or 50c. per doz. for postage.)

NEW EVERBEARING RASPBERRY "RANERE"

It yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance, and does not seem to sunscald as easily as other sorts, last season we had a photo made of a stalk which had by actual count 169 berries on one stem, this will give some idea of its free fruiting qualities.

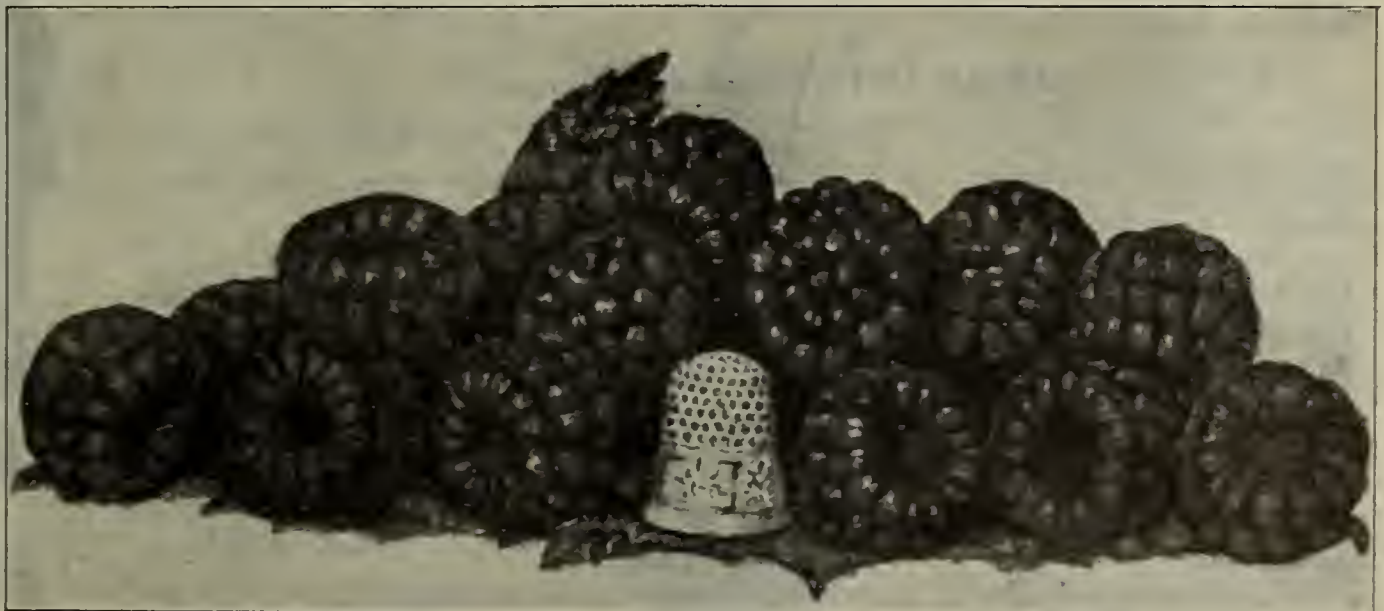
We will send out strong plants, which, from our experience in the past, should bear the first season.

Price: \$1.00 per doz., per 100, \$6.00; \$25.00 per 500; \$40.00 per 1000.

If desired by mail add 25c. per doz. for postage.



A Single Cluster of Star Blackberry



The Wonderful Everbearing Raspberry "Ranere"

Plants in quantities larger than a few can best be shipped via express or freight. No Plants sent C. O. D. (hc)

MICHELL'S SELECTED SMALL FRUITS

(SHIPPING SEASON MARCH 15th TO MAY 15th)



Blackberry Mersereau

BLACKBERRIES (Extra Strong Plants)

Eldorado. A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, free from core. Per doz., 60c.; \$3.00 per 100.

Erie. Very productive; free from rust; fruit of good quality. 75c. per doz.; \$3.00 per 100; \$12.00 per 1000.

Ohmer. Canes hardy; fruit very large; of excellent quality, firm, with no core, and sweet before soft or fully ripe. 60c. per doz.; \$3.50 per 100.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; sweet, without core. Unsurpassed as a shipper and keeper. Per doz., 75c.; \$4.00 per 100.

Rathbun. Fruit is of enormous size, single specimens measure one and three-quarters inches in length, firm and sweet, with no core. Plant is very hardy. 60c. per doz.; per 100 \$3.00.

Star (New). (*Everbearing.*) See page 173 for a full description of this. \$3.00 per doz.; per 100, \$15.00.

Ward. A new blackberry of great merit. A seedling of the Kittatinny, which it resembles somewhat. A very strong grower; it is perfectly hardy. The fruit is black throughout, very prolific and firm. 60c. per doz.; \$4.00 per 100.

We consider the above the best varieties in commerce.

Note.—If Blackberries are desired by mail add 25c. per doz. for postage, as we send out only extra strong plants, which generally bear some the first season.

We consider the above varieties the best in cultivation.

Note.—If Raspberries are desired by mail add 25c. per doz. for postage, as we send out extra strong plants.

CURRENTS (Extra Strong Plants)

Currents like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Black Naples. Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

Cherry. Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red. One of the most productive of the large currents.

Fay's Prolific. Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

North Star. Bush very vigorous, upright, somewhat spreading; clusters medium length.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

Versailles (La Versailles). Bush a vigorous, somewhat spreading grower. Very similar to Cherry in habit of growth and character of fruit.

White Grape. Clusters long; berries very large; of very attractive color, mild flavor and good quality.

Price, any of the above varieties of Currents, strong 2-year-old, 15c. each; per doz., \$1.25; \$8.00 per 100.

Note.—If Currents are desired by mail add 25c. per dozen for postage, as we send out extra strong plants, which generally bear some the first season. The varieties we list are among the best.

RASPBERRIES

Extra Strong Plants

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Brilliant. Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. \$1.00 per doz.; per 100, \$5.00.

Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive. Season a little in advance of Gregg. 60c. per doz.; per 100, \$3.00.

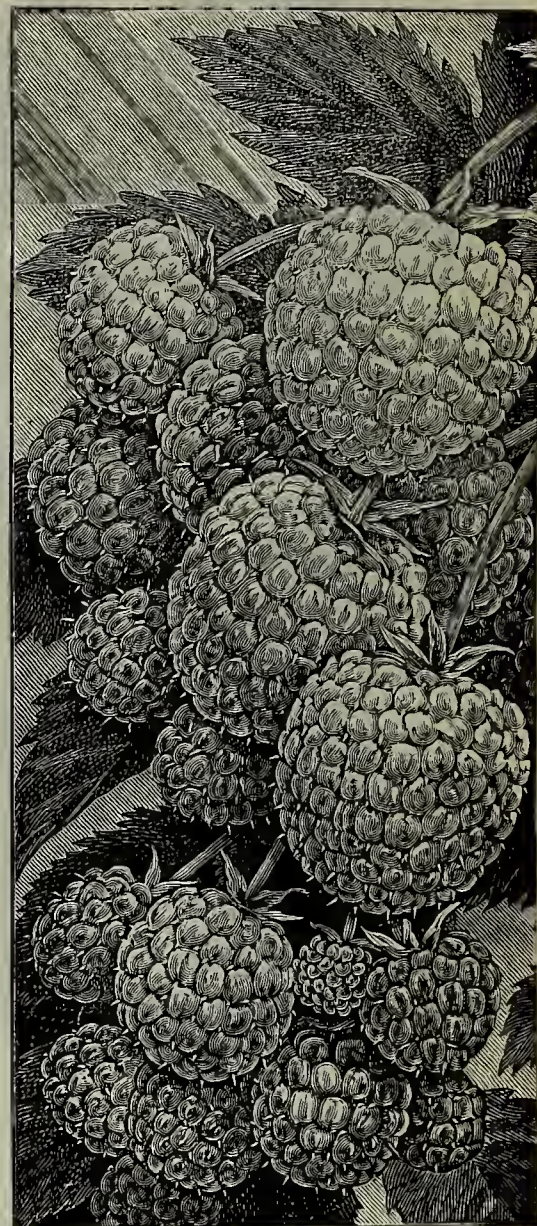
Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson. 60c. per doz.; per 100, \$3.00.

Columbian. Fruit very large, often an inch in diameter; color dark red, bordering on purple. 75c. per doz.; per 100, \$3.50.

Gregg (Black). Large, firm, of good quality, ripening late. Exceedingly productive. 60c. per doz.; per 100, \$3.00.

Golden Queen. Berries are large, of beautiful bright yellow, of excellent quality; medium to late. Per doz., 75c.; \$3.50 per 100.

Ranere (Everbearing). A full description of this will be found on page 173. \$1.00 per doz.; per 100, \$6.00.



Raspberry Brilliant



Currant White Grape

MICHELL'S SELECTED SMALL FRUITS

175

(SHIPPING SEASON MARCH 15th TO MAY 15th)



GRAPE VINES

Brighton. Bunch large, well formed; berries above medium to large, round; excellent flavor and quality. One of the earliest in ripening.

Caco (New). A full description of this variety will be found on page 173. Extra strong vines, 50c. each; doz., \$5.00.

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

Concord. The well-known standard purple variety, succeeds wherever grapes will grow.

Delaware. Bunches and berries rather small; light red; very juicy.

Green Mountain. A very early grape of the best quality; of medium size; color, greenish-white; almost melting in the mouth; vine vigorous, healthy and productive. 50c. each; per doz., \$5.00.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Moore's Early. Berry large, with heavy blue bloom. Vine exceedingly hardy; desirable for an early market.

Niagara. An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

Pocklington. Bunch and berries large, when fully ripe a light golden-yellow. Vine thoroughly hardy, strong grower and productive.

Vergennes. Berries large, holding firmly to the stem; light amber; rich and delicious.

Worden. A beautiful, large black grape; larger, earlier and decidedly better than Concord.

Wyoming. Vine very hardy, healthy and robust. One of the most beautiful of the amber or red grapes, and in size nearly double that of the Delaware. Flesh tender and sweet, with a strong native aroma. Ripens before Delaware.

SPECIAL OFFER. We have an extra fine stock of most of the varieties which are described above, in strong 3-year-old vines. These will invariably produce fruit a year after planting, which makes it well worth while to plant 3-year-old stock.

Our stock of these, however, in some varieties is limited and constantly changing; we therefore suggest that customers allow us to send, in case we are sold out of the varieties they want, a good substitute, which in any event will be equal to or better than the variety they have ordered of the same color.

PRICES. Strong 2-year-old vines, except where noted, 25c. each (by mail, 30c. each); per dozen, \$2.50; \$15.00 per 100. Extra strong 3-year-old vines, which generally bear the following season, 50c. each (by mail, 60c.); per dozen, \$5.00; \$30.00 per 100.



GOOSEBERRIES (Extra Strong)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Industry. An English variety quite hardy here; the large red berries are produced in quantities. 20c. each; doz., \$2.00; \$15.00 per 100.

The Pearl. Large pale green fruit of exceptional quality; very sweet. 15c. each; doz., \$1.60; \$12.00 per 100.

Downing. Fruit medium to large, whitish green; flesh soft, juicy. Each, 15c.; per doz., \$1.50; per 100, \$10.00.

Houghton. Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale red, tender and good. 20c. each; per doz., \$2.00; \$12.50 per 100.

Red Jacket. Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage. 20c. each; per doz., \$2.00; \$12.50 per 100.

STRAWBERRY PLANTS (Extra Strong Layers)

Ready from April 1st to May 15th, and from Oct. 1st to Nov. 15th.

EARLY VARIETIES

Abington, Chipman, Senator Dunlap, Success.

MID-SEASON VARIETIES

Auto, Bubach, Cardinal, Heritage, Nick Ohmer, President, William Belt, Marshall.

LATE SEASON VARIETIES

Brandywine, Gandy, Glen Mary, Norwood, New Home, Superior, Sample, Sharpless, Steven's Late Champion, Haverland.

Price of any of the above, 25c. per doz. (by mail, 30c.); \$1.25 per 100 (by mail, \$1.50); \$7.50 per 1000.

Pot-Grown Strawberry Plants ready about August 1st. Average price for these is \$3.50 per 100; per 1000, \$30.00.



Usual Shipping Season for Small Fruits, April, May, October, November.

(hc)

MICHELL'S FRUIT AND NUT TREES

ALMOND

Hard Shell. A fine, hardy variety. The nuts have large, plump kernels, and the tree large, showy, ornamental blossoms; 4 to 5 feet, 50c. each; \$5.00 per doz.

BUTTERNUT

Tree of rapid growth, with large, luxuriant, tropical-looking foliage; very ornamental, very productive; bears young. The nuts differ from American black Walnuts in being longer, with kernels of sweeter and more delicate flavor. 4 to 5 feet, 60c. each; \$6.00 per doz.

CHESTNUTS

Hannum (Grafted). Tree a very vigorous, upright grower, attaining great size, the original tree having a spread of about eighty feet; immensely productive. Nuts of medium size, light in color, bright, handsome, of very good quality. 4 to 6 feet, \$1.75 each; \$17.50 per doz.

Numbo (Grafted). Very hardy; very productive. Comes into bearing quite young. Nuts large and of good quality, ripening early, usually before frost, and selling at high prices. 4 to 6 feet, \$1.50 each; \$15.00 per doz.



Paragon (Grafted). Tree hardy, productive; nuts large and of excellent quality. Two trees four years grafted produced one bushel of nuts each, which sold at wholesale at \$10 per bushel. 4 to 6 feet, \$1.75 each; \$17.50 per doz.

Ridgeley (Grafted). A large variety of the Chestnut from Delaware. Very productive. As indicating its great value as a

market variety, the crop from the original tree is reported to have brought \$32.00. Very good quality. 4 to 6 feet, \$1.75 each; \$17.50 per doz.

Native Sweet American Chestnut

The well-known Chestnut of the forest, for sweetness and quality unsurpassed. A vigorous, healthy-growing tree, and the best stock on which to graft the improved varieties. It makes a beautiful shade tree, also, showing billowy masses of creamy bloom in summer. In its season no other nut is more sought after, as evidenced by the enormous quantities sold in both the wholesale and retail markets. 5 to 7 feet, \$1.00 each; \$10.00 per doz.

WALNUTS

Persian Kaghazi is claimed to be the hardiest of all soft-shelled Walnuts, and stands several degrees below zero without injury. It is a vigorous, free grower; very prolific, producing nuts in clusters, and comes to fruiting very young. The nut is larger than in the ordinary varieties; the kernel full, plump, meaty, sweeter, richer in oils and of finer flavor. The shell is thin but not tender, like some "paper shell" varieties, does not crack in handling, still may be crushed in the fingers. Very desirable and valuable. 3 to 4 feet, 60c. each; 4 to 5 feet, \$1.00 each.

Persian (Madeira). The well-known English Walnut, a handsome, lofty-growing tree of spreading habit, hardy and productive as far north as New York City. Trees of this variety are plentiful in New Jersey, and produce annually immense crops of thin-shell nuts of a delicious quality. This tree should not be planted for the nuts alone, but as a shade and ornamental tree, its handsome form, deep green foliage, and clean appearance, render it strikingly handsome as a lawn tree. 3 to 4 feet, 60c. each; \$6.00 per doz. 4 to 5 feet, \$1.00 each; \$10.00 per doz.

Black Walnut. A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber, which enters largely into the manufacture of fine furniture and cabinet-ware, and brings the highest price in market. Tree a rapid grower, producing a large, round nut of excellent quality. 3 to 4 feet, 60c. each; \$5.00 per doz.

FILBERT. HAZELNUTS.

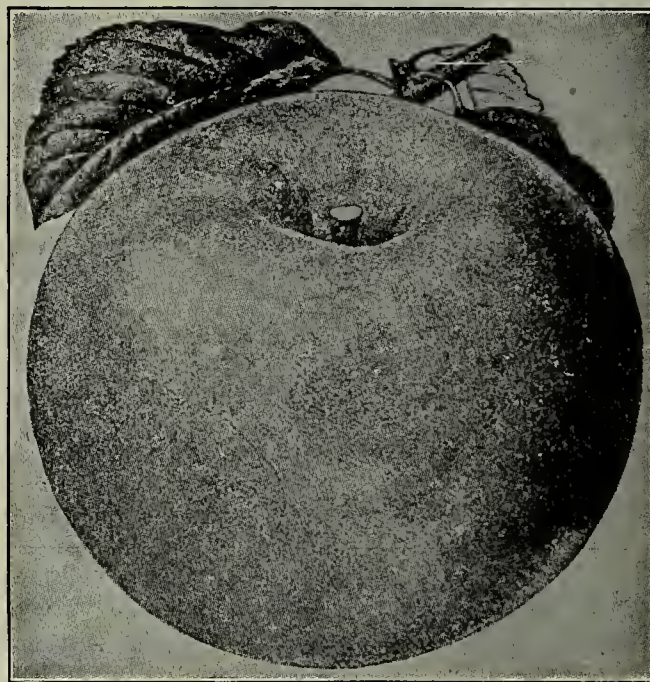
These are of the easiest culture, and among the most profitable and satisfactory nuts to grow. The bushes are of dwarf habit, entirely hardy, abundant yielders; succeed almost everywhere, and come into bearing young. 3 to 4 feet, 50c. each; \$4.00 per doz.

PAPER SHELL PECANS

The impression that the Pecan can be grown only in certain favorable, moist locations, is rapidly being dismissed, as the trees are being continually discovered throughout the Middle and Western States in locations which have not been considered favorable to their growth. Right in Burlington County, New Jersey, are a number of large, handsome trees, two to three feet in diameter, on high, dry ground, and producing annually five to six bushels of delicious thin-shelled nuts. The tree is hardy, tough, free from blight, insect scales, or any of the usual ailments common to orchard trees. 3 to 4 feet, 60c. each; \$5.00 per doz.

HICKORY SHELLBARK

To our taste, no other nut that grows, either foreign or native, is superior to this; in quality it possesses a peculiar rich, nutty flavor, excelled by none. The tree is of a sturdy, lofty growth. The wood, on account of its great strength and elasticity, is highly prized for making agricultural implements, and is unsurpassed for fuel. 4 to 5 feet, 85c. each; \$9.00 per doz.



APPLES

Baldwin. Large, roundish; deep bright red; very productive; handsome fruit. One of the most popular varieties in northern States. January to April.

Ben Davis. Large, handsome, striped, productive; a late keeper. A profitable market sort. December to March.

Grimes' Golden (Grimes' Golden Pippin). Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive. January to April.

Maiden's Blush. Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant sub-acid flavor. September and October.

Red Astrachan. Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive. August.

Rhode Island Greening. Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer. December to April.

Smokehouse. A popular old variety in Pennsylvania, where it originated. Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish. A rather crooked grower, but productive. September to February.

Northern Spy. Large, roundish, slightly conical. Flesh white and tender, with a rich and delicious flavor. The tree should be kept open by pruning, so as to admit air and light freely. January to June.

Wine Sap. Medium size, dark red; of rich flavor, very productive; late.

Any of the above in 6 to 8 ft. trees, 60c. each; doz., \$6.00; \$40.00 per 100.

We can also supply all other varieties, also Crab Apples.

All Trees can be shipped via express or freight only. No Trees sent C. O. D.



Black Tartarian Cherry

CHERRIES

Black Tartarian. Very large, purplish-black; flavor mild and pleasant. Tree a remarkably vigorous grower, and an immense bearer. Last of June and beginning of July.

Early Richmond. Medium size, dark red. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and exceedingly productive. June.

Governor Wood. Fruit large, roundish, heart-shaped. Skin light yellow, shaded and marbled with bright red. Middle of June.

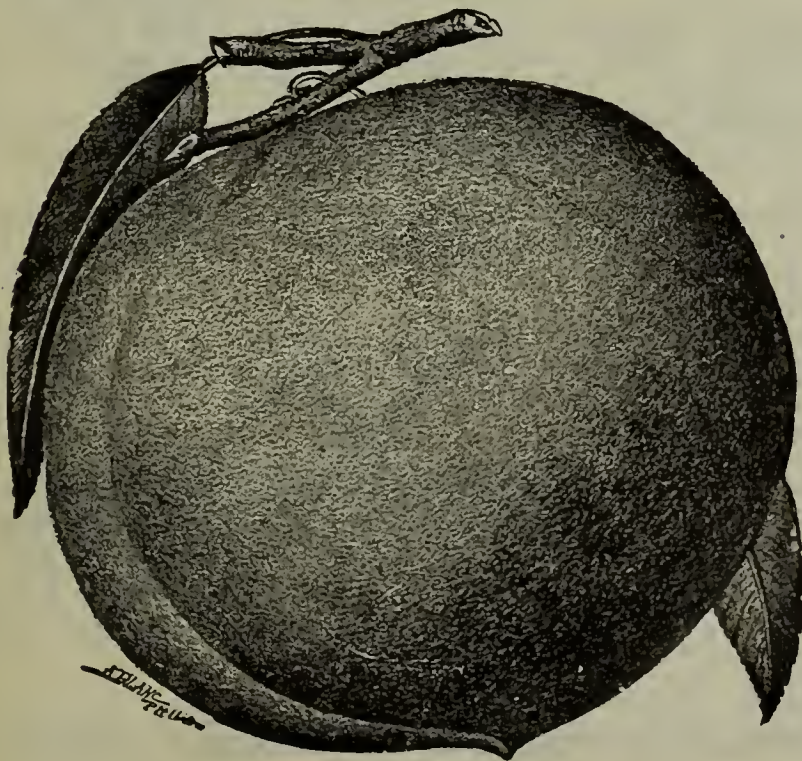
Large Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Last of June.

Mercer. A heart variety of large size, excellent quality and attractive appearance, larger than Black Tartarian; color when ripe very dark red, very meaty and firm, free from rot and disease, very productive, hardy and a good grower; an excellent cherry for the home garden. Early.

Napoleon. A magnificent cherry of the largest size; pale yellow, with a bright red cheek; flesh very firm, juicy and sweet; enormous cropper; ripens late; valuable for canning.

Yellow Spanish. Large; pale yellow, with bright red cheek in the sun; flesh firm, juicy and delicious; one of the best, most beautiful and popular of all light-colored cherries. Tree erect, vigorous and productive. End of June.

Extra Strong Trees, 5 to 7 feet high, 75c. each; per doz., \$7.50. We can also supply all other varieties.



Crawford's Late Peach

PEARS

Bartlett. Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly. August and September.

Flemish Beauty. Large, beautiful, juicy, melting; good bearer; one of the hardiest and does well nearly everywhere. September and October.

Howell. Large, light, waxen yellow, with a fine, red cheek; handsome, rich; aromatic flavor. An early and profuse bearer. September and October.

Kieffer. While not of best quality, properly ripened it is a fair dessert fruit, and one of the very best for canning and preserving. October and November.

Lawrence. A good grower; very productive. Fruit medium, canary-yellow, sweet and excellent; a good keeper. December.

Le Conte. Very vigorous grower, with luxuriant foliage; fruit very large, greenish-yellow, smooth and handsome; juicy. Early.

Rossney. A large variety of rare merit; flesh fine grained and of superior flavor; skin a beautiful creamy yellow, with crimson blush, giving it a tempting appearance; ripening in September.

Worden-Seckel. A seedling of the Seckel. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, while in size, color, form and appearance it is decidedly superior; hardy and an enormous bearer; fruit keeps well. October.

Extra Strong Trees, 5 to 7 feet high, 75c. each; per doz., \$7.50. We can also supply all other varieties.

PLUMS

Abundance. The fruit is very large, showy and beautiful. Amber, turning to a rich, bright cherry color. Ripens early in August.

Burbank. Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow; from two to four weeks later than Abundance.

Hale. The plums are of the largest size, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red.

Red June (Japan). Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

Sultan. Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

Wickson. Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper. Ripens after Burbank.

Wild Goose. Large, rich, crimson; very productive and profitable.

Extra, 5 to 6 feet, 60c. each; per doz., \$6.00.

PEACHES

Trees such as we furnish will often bear the year after they have been set out.

Crawford's Early. The best yellow peach for market; fruit large, oblong; skin yellow, with fine red cheek; flesh yellow, juicy; wonderfully productive. Last of August.

Crawford's Late. Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts. Last of September.

Elberta. Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. Is doing well in all peach sections north and south. One of the leading market varieties. Follows Early Crawford.

Mountain Rose. The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

Oldmixon Free. Uniformly large; white, covered with bright red; one of the best. Last of August.

Stump the World. Very large; skin white, with bright red cheek; flesh white, juicy and good. Last of September.

Extra Strong Trees, 5 to 6 feet high, 40c. each; per doz., \$4.00. We can also supply all other varieties.

QUINCES, APRICOTS and all other Fruit Trees
can be furnished promptly at reasonable prices
for Reliable Stock.



ORNAMENTAL and SHADE TREES

BIRCH (*Betula*)

Purple-leaved (*B. populifolia purpurea*). Foliage dark, resembling that of the purple beech. 4 to 5 feet, \$1.00; 6 to 8 feet, \$1.75.

CATALPA

Bignonioides nana Bungei. Forms a perfect umbrella head, with a mass of large heart-shaped leaves of a deep green color, which overlap each other. 5 to 7 feet 1-year heads, \$1.25; 5 to 7 feet 2-year heads, \$2.50; 6 to 8 feet specimens, \$6.00 to \$9.00 each.

DOGWOOD (*Cornus*)

Red-flowered (*Cornus florida rubra*). The flowers, which appear early in May before the leaves, are of a deep rosy-pink color; producing a perfect drift of bloom. Foliage dark green in summer and brilliant crimson in fall. 2 to 3 feet, \$1.25; 3 to 4 feet, \$1.75.

White-flowered (*C. florida alba*). Similar to the red flowering in habit of growth, though attaining larger proportions. 3 to 4 feet, 75c.; 4 to 5 feet, \$1.00; 5 to 6 feet, \$1.75.

HORSE CHESTNUT (*Aesculus*)

Hippocastanum. As an ornamental shade tree, the horse chestnut is highly recommended. The flowers are large, white, spotted with purple. 6 to 8 feet, \$1.25; 8 to 10 feet, \$1.75; 10 to 12 feet, \$2.50.

JUDAS TREE (*Cercis*)

Red Bud, or Judas Tree (*Cercis canadensis*). A profusion of delicate reddish-purple flowers with which it is covered before the foliage appears. 3 to 4 feet, 75c.; 4 to 6 feet, \$2.00.

LINDEN TREE

European (*Tilia europaea*). Forms a dense shade. One of the most ornamental of trees, growing in almost any soil, and adapted to lawn or avenue. 8 to 10 feet, \$1.50; 10 to 12 feet, \$1.75.

MAPLES

Silver Maple (*Acer dasycarpum*). Of rapid growth and spreading habit. 8 to 10 feet, \$1.00; 10 to 12 feet, \$1.25.

Japanese Maple (*A. Polymorphum atropurpureum*). The hardiest of the colored-leaved forms, and is more largely planted, the blood-red foliage making it a strikingly handsome and conspicuous tree. Trees are dwarf in habit, seldom attaining a height of more than three feet. Fine plants, 2 feet, \$1.50 each.

Norway Maple (*A. platanoides*). One of the finest park, street, shade or lawn trees; vigorous growth, with large, handsome, broad leaves of deep, rich green which remain on the trees until late in the season. 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75.

Sugar, or Rock Maple (*A. saccharum*). Resembling the Norway Maple, though more pyramidal in form. 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75; 12 to 14 feet, \$2.50.

Sycamore Maple (*A. pseudo-platanus*). Desirable for shade and ornamental purposes. 8 to 10 feet, \$1.50; 10 to 12 feet, \$1.75.

PLANE TREE

Oriental Plane, or Buttonwood (*Platanus orientalis*). A favorite tree for avenue planting, of large spreading habit and rapid growth. 8 to 10 feet, \$1.25; 10 to 12 feet, \$1.75; 12 to 14 feet, \$2.50.

POPLAR TREE

Lombardy (*P. nigra fastigiata var. italica*). Its tall form makes it indispensable in landscape effects or for screening objectionable views. 8 to 10 feet, \$1.00; 10 to 12 feet, \$1.25.

WILLOW TREE

Weeping (*Salix babylonica*). The long, pendulous branches are very graceful. Makes an admirable shade tree and grows well in wet or dry places. 8 to 10 feet, \$1.25 each.

EVERGREENS

ARBOR VITAE (*Thuja*)

American Arborvitae (*Thuja occidentalis*). Popular for ornamental hedges, rapid grower, conical form. 2 to 3 feet, 75c.; 3 to 4 feet, \$1.25; 5 to 6 feet, \$2.25.

Peabody's Arborvitae (*T. o. var. aurea*). A clear, shining golden yellow that contrasts finely with darker evergreens. Of pyramidal habit, grows rapidly. 1½ to 2 feet, \$1.75; 3 to 4 feet, \$3.50.

Compact Arborvitae (*T. o. compacta*). Light green foliage and neat attractive habit. For beds, borders, cemeteries, or house decoration; of dwarf growth. 12 to 18 inches. \$1.00 each.

JAPAN CYPRESS (*Retinospora*)

R. pisifera aurea. Growth very wavy; vigorous habit; foliage rich golden and permanent. 1 to 2 feet, \$1.25; 2 to 3 feet, \$2.25; 3 to 4 feet, \$3.00.

Plume-like Retinospora (*R. plumosa*). Light, feathery green foliage. Useful in groups, beds, vases, and window boxes. 12 to 18 inches, 85c.; 2 to 3 feet, \$1.75.

R. Plumosa aurea. The soft plume-like golden foliage is particularly bright in spring. It is well adapted for small lawns, and equally appropriate for larger areas. For window-boxes, vases, and formal gardening its value is realized. 12 to 18 inches, \$1.00; 2 to 3 feet, \$1.75; 3 to 4 feet, \$4.00; 4 to 5 feet, \$5.00.

FIRS (*Abies*)

Silver Fir of Colorado (*A. concolor*). Broad, handsome foliage, bluish above, silvery beneath. 1 to 2 feet, \$1.75; 2 to 3 feet, \$3.00; 3 to 4 feet, \$5.50.

Western Balsam Fir (*A. lasiocarpa*). The foliage varies in color from a glaucous-blue to a very light green. 2½ to 3 feet, \$3.50; 4 to 5 feet specimens, \$6.00.

PINES (*Pinus*)

White Pine (*P. Strobus*). The needles are soft and silvery green; makes fine backgrounds and shelter-belts, and is valuable in any planting. 1 to 2 feet, 60c.; 2 to 3 feet, \$1.25; 3 to 4 feet, \$1.75.

Austrian Pine (*Pinus austriaca*). A tall, massive tree, with spreading branches, heavily plumed with long, stiff, dark green needles. 2 to 3 feet, \$1.50; 3 to 4 feet, \$2.75; 5 to 6 feet, \$5.50.

SPRUCE (*Picea*)

Hemlock Spruce (*P. canadensis*). For tall screens or hedges, massing, or as individual trees upon large or small grounds. 12 to 18 inches, 50c.; 2 to 3 feet, \$1.25; 3 to 4 feet, \$2.50.


Douglas' Spruce (*P. Douglasi*). Large, conical form, smooth bark. Leaves light green above, bluish underneath. 1 to 2 feet, \$1.25; 2 to 3 feet, \$1.75; 3 to 4 feet, \$3.00.

Colorado Spruce (*P. Engelmanni*). Bluish green with horizontal branches and of compact growth. 1 foot, \$1.25; 2 feet, \$2.50; 3 feet, \$3.50.

Norway Spruce (*P. excelsa*). Highly valued for shelters, windbreaks or hedges. If left untrimmed they spread out magnificently over the lawn, and make desirable specimens. 2 to 2½ feet, 75c.; 2½ to 3 feet, \$1.00; 4 to 5 feet, \$2.50.

Koster's Blue Spruce (*P. Kosteriana*). A deep, rich blue. One of the finest ornamental evergreens ever introduced, and a specimen or two (of the kind of trees we furnish), on the lawn, adds a dignity and beauty hard to describe. 1 to 1½ feet, \$1.75; 1½ to 2 feet, \$3.00; 2 to 3 feet, \$5.50; 4 to 5 feet, \$11.00.

Oriental Spruce (*P. orientalis*). Dark, small, shining green foliage. Very hardy. One of the finest of all evergreens. 12 to 18 inches, \$1.25; 2 to 3 feet, \$2.25.

 We can also supply all other varieties of Trees and Evergreens.

Trees cannot be shipped by mail; express or freight only. No Trees sent C. O. D.



HANDY GARDENER

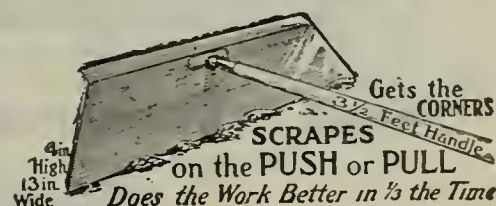


HANDY HOE



HANDY EDGER

MICHELL'S FARM AND GARDEN ACCESSORIES



HANDY SCRAPER

THE MEHLER LINE OF PRACTICAL GARDEN TOOLS

These are the invention of a practical amateur gardener, who has spent much time and labor in perfecting them. Each tool is fitted for particular work and performs the same to perfection. The "Handy Gardener" and "Handy Hoe" can be used without bending the knees, and are especially suited for ladies who like to work in the garden.

HANDY GARDENER. For cultivating among flower beds, in the vegetable garden, etc., etc., gets closer to the plant than any other tool. Does all that any hoe, weeder and rake will do in one operation. **Price, 75c.**

HANDY HOE. This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. **Price, \$1.00.**

HANDY EDGER. Designed so as to make it suitable for edging gravel, dirt or cement walks. It is the only edger made that has a perfect arrangement on it for foot pressure, which makes easy edging possible. A device on the rear end of the hoe makes it suitable for running along the edge of the path, after the turf has been cut, thus throwing it away from the body of the lawn. **Price, \$1.25.**

HANDY SCRAPER. This was originally designed as a dropping-board scraper in poultry and pigeon houses. It has a blade 13 in. wide, enabling the operator to perform a lot of work in a short time. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. **Price, 75c.**



HAPPY JACK SAILOR WIND MILL

An interesting feature for the children's garden, although they are equally practicable for the grown-ups. They revolve with the least puff of wind, and on account of their looks they serve as a scarecrow for undesirable birds or animals. They are handsomely finished in colors and can be fastened to any tree, post, house or wash line pole. Height, 15 in. **Price, \$1.25 each.**

BRANDING IRONS



It is essential on all well-regulated farms and country estates to have the wooden portions of the implements branded with the number or name of the owner. This can be only accomplished with the aid of a branding iron, which can be heated in a few moments and the name of the farm, estate or owner burned on the tool. This goes a long way towards preventing the goods from being stolen. These are made to order. 3-16. 1/4. 3/8 inch letters. Price of each size, with 8 letters or less, \$1.50. Additional letters, 15c. each. 1/2-inch letters, per brand of 7 letters or less, \$1.75. Additional letters, 20c. each.

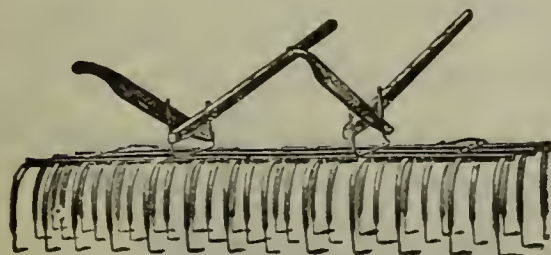
COLUMBIA LAWN AND FARM CARTS

Made of hard wood bodies from good air-dried stock, built with solid steel axles. Tires of other dimensions than those noted can be supplied at extra cost. We can also supply other sizes.

No.	Axles	Tires	Length	Width	Depth	Capacity	Price
38	1 1/2 in.	2 x 1/2 in.	5 ft.	3 ft.	11 in.	1000 lbs.	\$39.00
40	1 3/4 in.	2 x 1/2 in.	5 ft. 4 in.	3 ft.	12 in.	1500 lbs.	44.40
42	2 in.	3 x 1/2 in.	5 ft. 9 in.	3 ft.	12 in.	2000 lbs.	51.60

KEYSTONE ONE-HORSE WEEDER

Surface cultivation among young growing crops is of great value. It stirs the soil, keeps down weeds and prevents evaporation of moisture. It can be adjusted to cover a 7 1/2-foot stretch or graduated down to a 2 1/2-foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; do not cultivate deep, like other machines. **Price, \$10.00.**



The Keystone Adjustable Weeder

HORSE CULTIVATORS, etc.—Planet Jr. and Iron Age

No. 8 PLANET Jr. HORSE HOE AND CULTIVATOR



Made of steel throughout. The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. The side or covering steels and shovel which is in the rear may be taken off and the arms so turned that when the extra teeth, which accompany the machine, are attached, it presents a perfect five-toothed cultivator.
Price.....\$8.50

No. 4 PLANET Jr. HORSE HOE



Modern cultivator for either garden or field use, for furrowing, covering and cultivating, being adjustable to these several purposes.
Price, \$6.25. Without wheel, \$5.50.

PLANET Jr. 7 TOOTH CULTIVATOR



Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the 5-tooth machine. The expanding lever makes possible to cultivate a row of greater width than is possible with a smaller size. Price, complete as in cut, \$7.50. Without wheel, \$6.75.



Planet Jr., Double Celery Hiller

PLANET Jr. CELERY HILLER

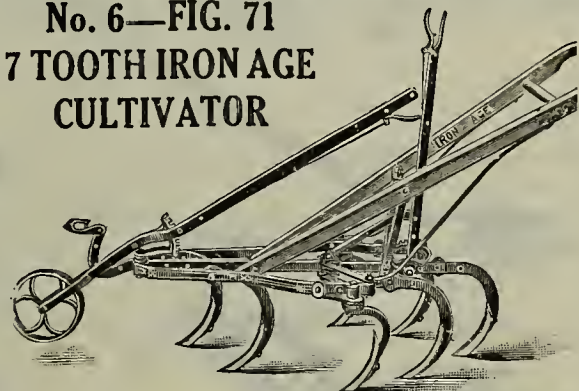
For throwing earth against celery plants prior to blanching, nothing equals this machine. Made in two styles. Single, for hilling one side of the row. Double, for hilling one side of 2 rows. Price, double style, \$15.50; single style, \$12.50.



No. 9 PLANET Jr. PLAIN CULTIVATOR

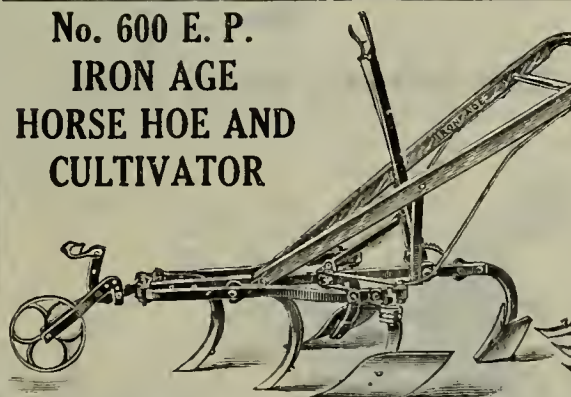
A light, strong and serviceable tool. To cultivate very narrow rows, the outside teeth and standards can easily be removed from the frame or replaced quickly.
Price, with wheel, \$6.00; without wheel, \$5.25. Weight, 56 lbs.

No. 6—FIG. 71 7 TOOTH IRON AGE CULTIVATOR



By means of the lever wheel the depth may be regulated with a single stroke of the arm; the expanding lever renders it able to go through very narrow rows successfully. The cultivator may also be used as a five-tooth machine by merely unbolting two teeth and arms. Price, \$6.75.

No. 600 E. P. IRON AGE HORSE HOE AND CULTIVATOR



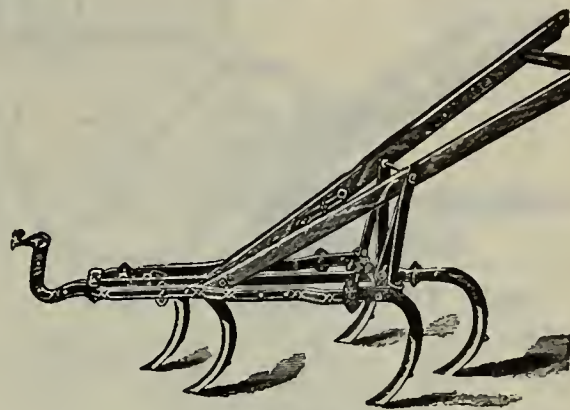
Equipped with side steels or covers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, \$6.25.

No. 1005 IRON AGE CULTIVATOR

Largely sold in those sections of the country where labor is inefficient and a cheap and simple tool is desirable.

Price, as in cut, \$3.50; with plain wheel, \$4.00; with lever expander, \$4.25; with lever and wheel, \$4.75.

(See illustration on top of next column.)



No. 1005 Iron Age Cultivator

No. 1007 E. P. IRON AGE HORSE HOE AND CULTIVATOR



One of the best of the 7-tooth Iron Age equipments; the teeth are narrow, which enables it to do fine work, tilling deep and yet not injuring young plants. If it is desired to use this machine with less teeth than accompany it, any excess may be easily detached. Price, as in cut, \$5.65.



IRON AGE CULTIVATOR TEETH

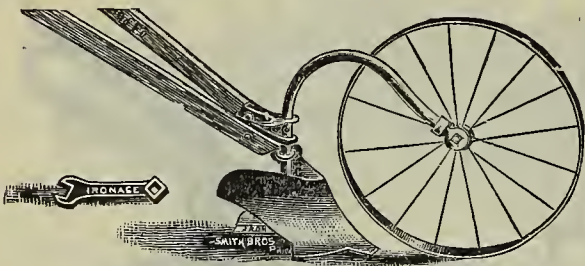
No.	Width	Each	No.	Width	Each
0	1 1/4-in.	\$.10	82	3 -in.	\$.11
1	1 1/2-in.	.10	83	3 1/2-in.	.13
89	2 -in.	.10	84	4 -in.	.14
82	2 1/2-in.	.10	68	4 -in.	.12

Bolts for Teeth, 3c. each; per doz., 30c.

IRON AGE HORSE CULTIVATOR PARTS

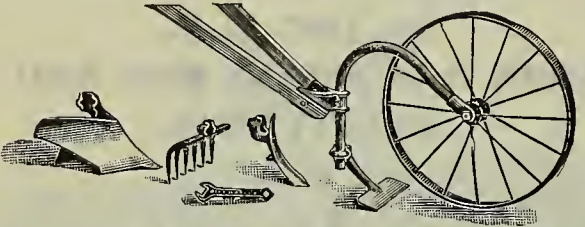
Handles, complete	\$.75
Handles, each	.30
Handle Rounds	.10
Wheels, plain, No. 2	.50
Wheels with Lever	1.00
Expanding Levers	1.20
Expanding Clamps	.25
Clevis	.15
Wrenches	.10
Diamond Harrow Teeth	.12

IRON AGE FARM AND GARDEN TOOLS



NO. 11 WHEEL PLOW

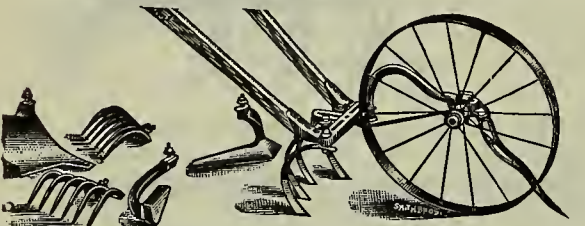
The work of hilling up crops in the garden by the old method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidly, it also does it much better. Price, \$2.50.



NO. 12 WHEEL HOE AND PLOW

This tool is a most desirable one for the family garden and truck patch. It may be speedily changed for different purposes.

Price \$3.50



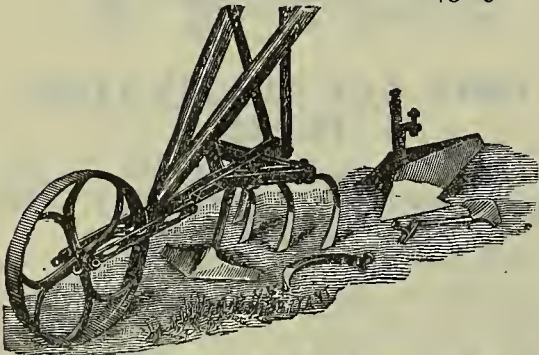
NO. 9 WHEEL HOE, PLOW AND CULTIVATOR

The most complete of the Iron Age single wheel hand tools. It may be used as a hilling plow for hoeing, weeding and raking.

Price \$5.25

No. 10.—This is similar to the above machine but with one pair of side hoes only.

Price \$3.25



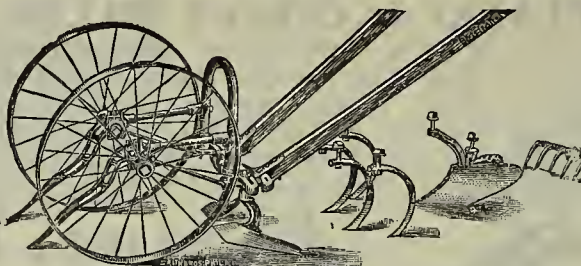
GEM SINGLE WHEEL HOE

Of garden tools this is the most popular, being low in price and complete in detail, suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, \$5.00.

GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting for the fact that it possesses another wheel and is minus the scufflers. It has instead one pair of side hoes, which can be used to better advantage on such a tool. The wheels may be adjusted to enable plants to be worked on both sides of row.

Price \$6.00



No. 1 Iron Age Double Wheel Hoe

Double Wheel Hoes possess very great features over the single wheel machines. One point is that a row of plants may be worked complete on both sides with safety, and the entire soil gets thoroughly loosened without the least possible injury to the plants. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes, not shown, accompany this tool. Price, \$7.00.

No. 3 Wheel Hoe is the above machine with vine lifters and one pair sides hoes only. Price, \$4.25.

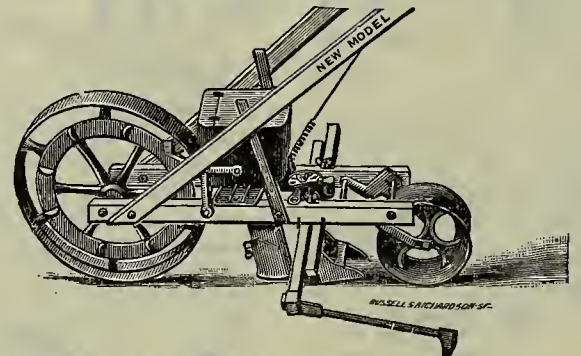
IRON AGE HAND PLOW

For making furrows, hilling, etc.

Price, each, \$1.35.

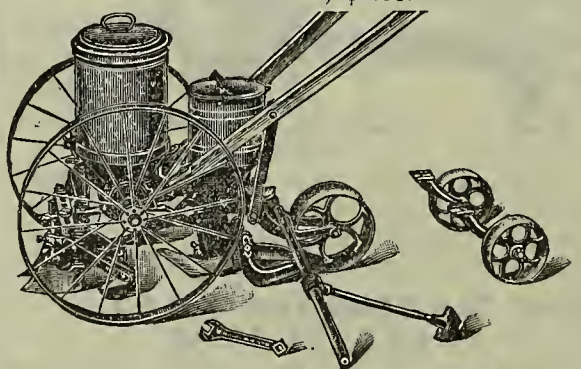


Iron Age Hand Plow



THE MODEL SEED DRILL

The depth of sowing can be regulated to any desired distance. It is well named the market gardeners' drill, having a large capacity for seeds, and is a wonderfully efficient machine. Price, \$8.00.

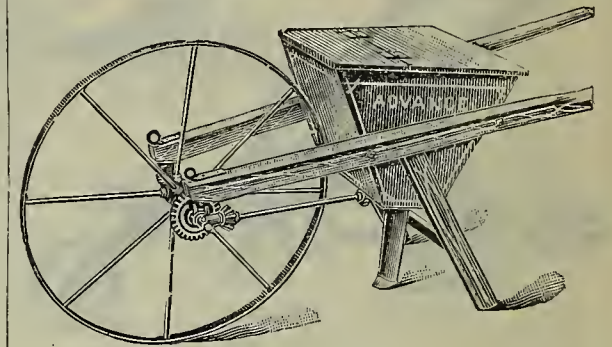


No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder

One of the most successful seed and fertilizer drills ever made. The fertilizer is distributed more accurately than if put on by hand, and the two operations are done in one. Price, \$18.00.

EUREKA HAND SEED DRILL

For sowing small seeds in hot beds and home gardens. \$1.00 each.



"ADVANCE" FERTILIZER DRILL

The best low-priced distributor on the market.

A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement; being one of those little things which go far, however, in making a tool valuable. A first-class machine for the drilling of peas and corn.

Price, each \$6.75



No. 6 Double and Single Wheel Hoe and Combined Hill and Drill Seeder

From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double, it requiring but about three minutes to change to a Double Wheel Hoe and about two minutes to a Single Wheel Hoe, by an inexperienced operator. Price, as in cut, \$12.00; No. 7 as Drill only, \$9.00

NO. 4 COMBINED DOUBLE and SINGLE WHEEL HOE and DRILL SEEDER

Similar to the No. 6 Combined Double Wheel Hoe, Hill and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical. The seed sowing device of our No. 4 is only designed to sow seeds in continuous rows. Price, complete, \$11.00; No. 5 Drill Seeder only, \$8.00.

IRON AGE WHEEL HOE PARTS

Gem Landside Plow	\$0.90
Iron Age Landside Plow .....	.90
Weeder for Single Wheel Hoes.....	.80
" " Double " " pair	1.10
Side Plows, right or left.....each	.40
Side Hoes, right or left.....each	.50
Rakes, 6-tooth .....	.40
Teeth, Gem .....	.35
Teeth, Iron Age .....	.15

Write for Complete Catalog on "Iron Age" Goods—Free

Planet Jr. Garden Tools



No. 12 PLANET JR. DOUBLE WHEEL HOE

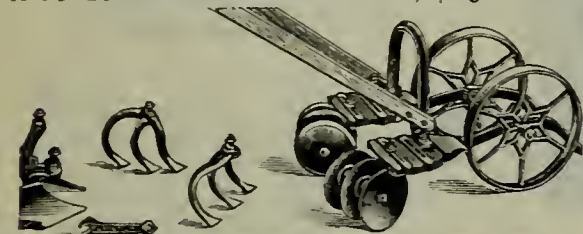
Most popular with the market gardeners. Easily adjusted with any of the accompanying attachments. Price, \$6.50.

No. 13 PLANET JR. DOUBLE WHEEL HOE

No. 13 style is an implement for hoeing only; comes fitted with one pair of side hoes only, otherwise precisely as No. 12. Price, \$4.50.

No. 11 PLANET JR. DOUBLE WHEEL HOE

Most complete; the various attachments can be used independent of one another. The large assortment of tools accompanying it renders it invaluable. Price, \$8.50.



No. 14 PLANET JR. DOUBLE WHEEL DISC HOE, CULTIVATOR AND PLOW

The discs are adjustable for depth and to throw to or from the row as desired.

The set of prong cultivator teeth are constructed on entirely new lines. The tooth next to the row is narrow and is arranged to run shallow, the middle tooth is wider and runs $\frac{1}{2}$ inch deeper, while the outside tooth is very much wider and runs $\frac{1}{2}$ inch deeper still, so that the work is finer next to the row, to avoid injury to the roots of plants and deeper in the centre. Price \$7.50.

No. 30 Planet Jr. Single Wheel Hoe, Cultivator and Plow

A complete equipment, \$7.50.

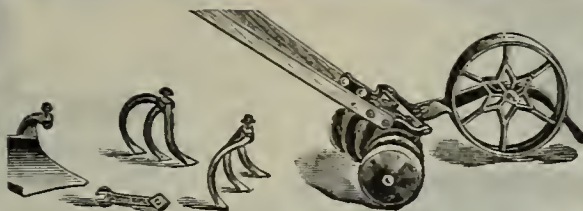


No. 17 PLANET JR. SINGLE WHEEL HOE

For kitchen garden, open field, or market gardens. Price, \$4.75.

No. 16 PLANET JR. SINGLE WHEEL HOE

Compares favorably in completeness with any other style or make. The attachments are splendid for accurate and rapid work. Price, \$5.50.



No. 38 PLANET JR. SINGLE WHEEL DISC HOE CULTIVATOR AND PLOW

This new tool is a combination occupying the same position among Single Wheel Hoes as that taken by the No. 14 Planet Jr. Double Wheel Disc Hoe among Doubles. The sets of Discs and Cultivator Teeth are the same as furnished with No. 14 Disc Hoe, and the Plow is identical with that furnished with our Single Wheel Hoe.

Price, complete, as in cut, \$6.50.

No. 18 PLANET JR. SINGLE WHEEL HOE

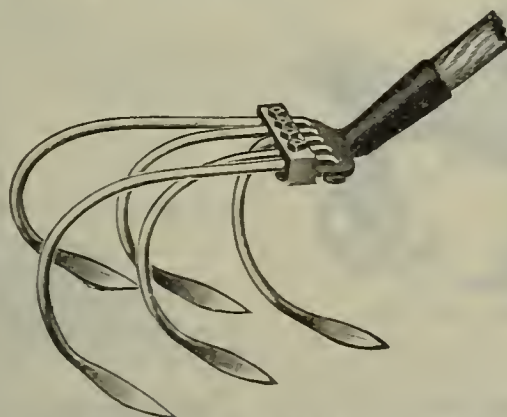
This machine is built in every way like the Nos. 16 and 17, but is fitted with a pair of side hoes only. The frame is identical with the aforementioned machines, so as one's requirements may grow, the attachments which can be purchased at a nominal price may be added. Price, \$3.25.



FIRE FLY GARDEN PLOW

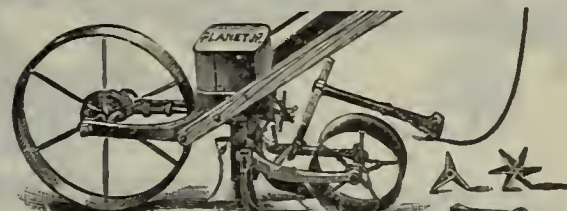
Exceedingly useful to every owner of a garden. It throws furrows various widths; very desirable for plowing up gardens for new crops (after general plowing in spring).

Price, \$2.25.



INVINCIBLE ADJUSTABLE GARDEN CULTIVATOR

This is a wonderfully useful tool, displacing the hoe and rake almost entirely in garden hand cultivating. The teeth are made of extra good steel. They are adjustable, to cultivate shallow or deep. Price, 85c. each.



No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

This is the most popular combined tool made. It combines in a single implement a first-class hill-dropping seeder, a single Wheel Hoe or weeder, a cultivator and a plow. The hopper holds $2\frac{1}{2}$ quarts of seed, which can be sown in continuous rows, or dropped in hills at 4, 6, 8, 12 or 24 inches apart.

The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe.

Price, complete as described above, \$10.50. As a Seeder only, \$8.50.

No. 3 PLANET JR. HILL AND DRILL SEEDER

Sows evenly in drills, and also drops in hills 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by moving a convenient lever, or the flow of seed is stopped by pushing down the feed rod. It is quickly set to sow the different kinds of seeds in the quantities required. Hopper holds 3 quarts. Price, \$10.00.

Prices of Planet Jr. Drills (Not Illustrated)

No. 1	.....	\$9.00
No. 2	.....	7.00
No. 25. Combined	.....	13.00
No. 5	.....	12.50
No. 6. Combined	.....	13.00
No. 6. Plain as drill	.....	10.50
No. 28. Combined	.....	14.50
No. 29. Plain as drill	.....	11.00

PARTS of PLANET JR. WHEEL HOES

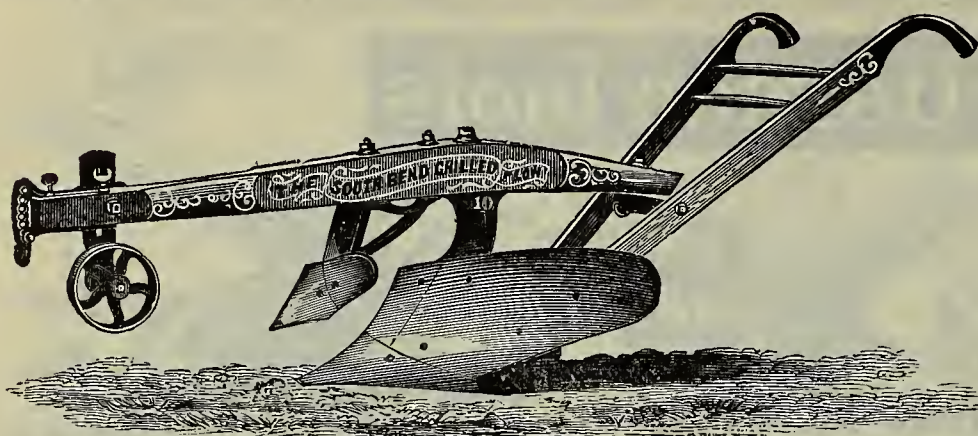
For Single Wheel Hoe	
Wheel, plain	.....\$0.60
Leaf Lifter	..... .20
Frame	..... .70
Handles, per pair	..... .70

For Double Wheel Hoe	
Wrench	.....\$0.12
Side Frames, each	..... .55
Wheels, each	..... .60
Arch	..... .80
Handles, per pair	..... .70
Leaf Lifters, each	..... .20

Parts for Single and Double Wheel Hoes

Side Hoes, $4\frac{1}{2}$ in., 8oc.; 6 in. 9oc.; 7 in. \$1.00 pr.	
Side Plows, per pair	..... 1.10
Cultivator Teeth, each	..... .35
Landside Plow	..... 1.20
Rakes, 3-tooth	..... .35
Rakes, 5-tooth	..... .45
Rakes, 7-tooth	..... .55

For Fire Fly Plow	
Handle	.....\$0.50
Frame	..... .60
Wheel	..... .60
Mouldboard	..... .60



SOUTH BEND PLOWS

The South Bend Plow is one of the most popular and efficient makes on the market to-day. For private garden farm or truckers work, it meets every requirement; made of chilled steel in various sizes to meet all conditions.

- No. 1 B Wood Beam plain, one horse, \$5.50
 No. 2 F " " " one horse, heavy; or two horse light 8.00
 No. 3 A Wood Beam plain, two horse 10.00
 No. 4 " " " two horse, heavy 10.50

The No. 2-3-4 SB Plows can be equipped with wheel and jointer at the following additional cost—for wheel only \$1.00; for jointer only, \$2.00; for wheel and jointer together, \$3.00 extra. Prices named above are for plain plow.

OLIVER PLOWS

These are preferred by some, in heavy ground. They are light and durable.

- No. A 2 One horse, plain, wood beam \$5.00
 No. 10 N Two horse, wood beam, medium, complete with wheel and jointer \$11.00

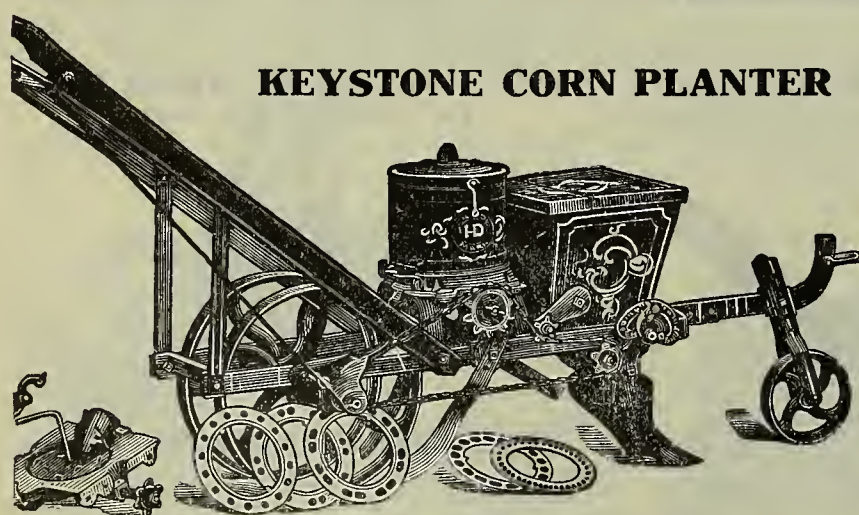
Price List of South Bend Plow Parts

	Shares	Mouldboards	Beams	Handles	Jointerpoints	Landslides
No. 1 B	30	1.50	.75	1.25		.40
No. 2 F	.35	2.50	.90	1.25	.20	.75
No. 3 A	.35	3.00	1.00	1.50	.20	1.00
No. 4	.40	3.25	1.25	1.50	.20	1.00

Price List of Oliver Plow Parts

	Shares	Mouldboards	Beams	Handles	Jointerpoints	Landslides
No. A 2	.30	1.35	1.50	1.25		.45
No. 10 N	.30	2.25	1.50	1.25	15	.70

We can also supply Gale & Syracuse Plows and parts for same.



KEYSTONE CORN PLANTER

Keystone Corn Planter

This is operated with one horse and will plant from 10 to 12 acres per day in either hills or drills, as desired. Equipped with a Fertilizer Attachment, which operates very accurately. Very simple construction; consists of nothing that will get out of order. It will also plant peas, beans, mangels, or other seeds, when equipped with proper regulating rings, which we can furnish at 25c. each. If wanted for other purposes than planting corn, mention crop to be planted, so that proper rings can be sent. Price, complete, without extra crop rings, \$15.00.



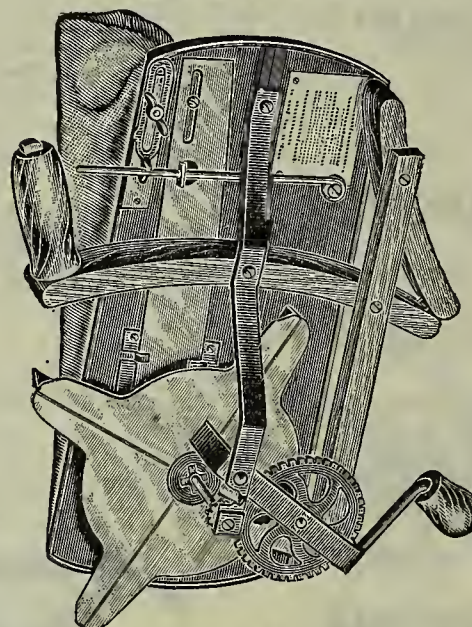
WHEELBARROW GRASS SEEDER

This machine is now largely used for distributing grass and other seeds over large areas.

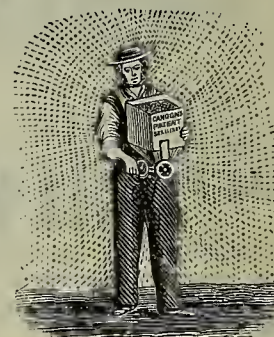
The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

No. 5 (14 feet sowing area), \$7.00.

BROADCAST SEED SOWERS



Rittenhouse Seeder

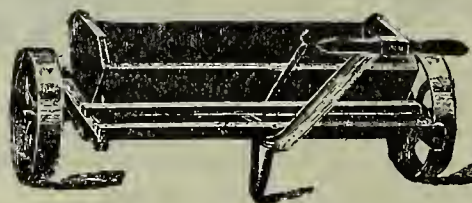


Cahoon Seeder

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.

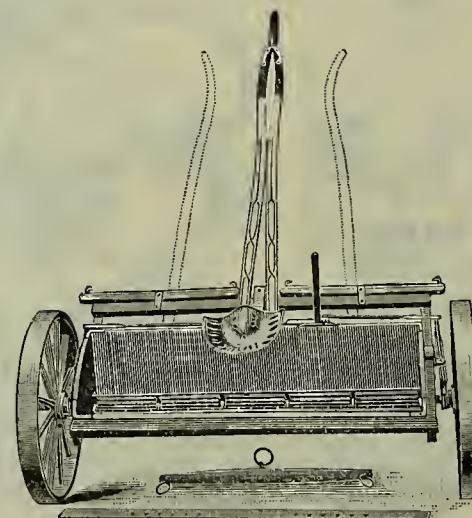
Cahoon Make, each..\$3.25
 Rittenhouse, each.... 1.75

THE STEVENS FERTILIZER DISTRIBUTORS



ing area 3 feet wide. This style is adapted to distributing sand over Putting greens. Price, \$12.00.

Horse Machine. This style is suitable for use on large lawns, fields and Golf grounds. It has a device for regulating the quantity to be sown. It is equipped with broad tires, which do not readily cut into the ground. It is furnished equipped for either one or two horses as may be desired. 5 foot, 10-inch spreading area, \$42.50; 8 ft. 3-in. spreading area, \$47.50; 10-ft, 3-in. spreading area, \$50.00.





DUNHAM WATER BALLAST ROLLERS

The proper roller for most any occasion; fill it with water or sand, which will weigh it any number of pounds desired; 24 inches diameter, can be had in one or two sections. Equipped with counter balanced handle weights, which always keeps the handle in position ready for use; roller axle bearings. The two section roller is desirable on account of its not disturbing the turf or ground when being turned.

No.	Sec- tions	Diam.	Width	Weight Empty	Weight filled with Water	Price
H. W. 6.....	1	24	24	185	560	\$14.80
H. W. 8.....	1	24	32	200	710	16.40
H. W. 10.....	2	18	24	160	360	15.60
H. W. 12.....	2	24	32	230	710	20.40

We can also supply other sizes of Water Ballast Rollers.

BOSS HAND ROLLERS

In. No.	In. Diam.	Sec. Wide	Sec. tions	Lbs. Weight	Price	In. No.	In. Diam.	Sec. Wide	Sec. tions	Lbs. Weight	Price
1...	15	15	2	150	\$7.60	8...	20	30	3	350	\$17.25
2...	15	22	3	200	10.00	9...	24	20	2	400	19.50
3...	20	16	2	225	11.25	10...	24	24	2	450	22.00
4...	20	20	2	250	12.50	11...	24	24	3	450	22.00
5...	20	20	1	250	12.50	12...	24	30	3	500	24.50
6...	20	24	3	300	14.75	13...	28	24	2	500	24.50
7...	20	24	2	300	14.75	14...	28	24	3	500	24.50

BOSS HORSE ROLLERS

For Lawn and Golf Ground Use.

No.	Diam. In.	Lgth. In.	Sec- tions	Lbs. Weight	Price	No.	Diam. In.	Lgth. In.	Sec- tions	Lbs. Weight	Price
40...	24	30	3	650	\$41.00	43...	28	30	3	800	\$49.00
41...	24	40	4	800	48.00	44...	28	40	4	1000	59.00
42...	24	50	5	950	55.00	45...	28	50	5	1200	69.00

For Land or Field Use.

No.	Diam. In.	L ^g th. Ft.	Sec- tions	Lbs. Weight	Price	No.	Diam. In.	L ^g th. Ft.	Sec- tions	Lbs. Weight	Price
63...	24	5	5	1450	\$61.25	67...	28	6	6	1950	\$81.75
65...	28	4	4	1350	59.50	68...	32	4	4	2200	95.00
66...	28	5	5	1650	70.50	69...	32	5	5	2600	110.50

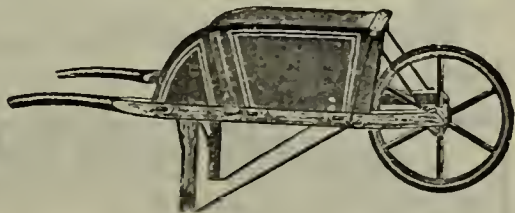
We can also supply other sizes of horse rollers.

PUTTING GREENS ROLLER

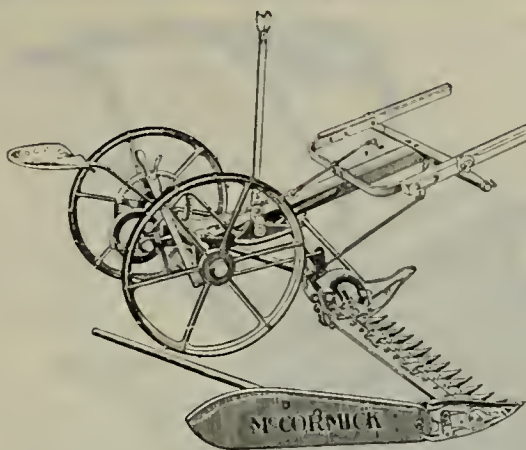
This can be used on clay or grass greens; it is 4 feet wide, made of hard wood, in 4 sections, 10 inches diameter, each with a substantial iron band or ferrule to prevent them splitting. The surface is very even and true, leaving no marks; weight, 150 lbs. Price, \$16.00.

WHEELBARROWS

The measurements of barrows are understood viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.



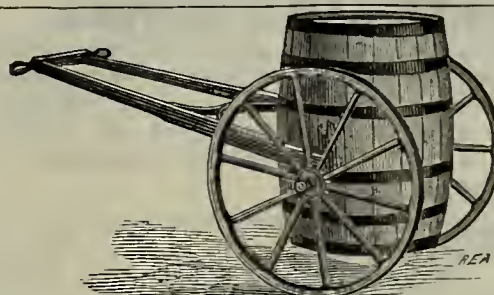
	No.	Tire In.	Length In.	Depth In.	Width In.	Price
Eastern	4	3	26 $\frac{1}{4}$	11 $\frac{1}{2}$	27	\$4.50
“	5	3	28 $\frac{1}{4}$	11 $\frac{3}{4}$	27	5.00
Jacobs	2	1 $\frac{1}{4}$	24 $\frac{1}{2}$	11	23	4.00
“	3	1 $\frac{1}{2}$	25 $\frac{1}{2}$	12	24	4.50
“	4	2	27 $\frac{1}{2}$	14	26	4.75
Boys	1		21 $\frac{3}{4}$	9 $\frac{1}{4}$	20	3.00
Canal—Side dump (bolted)			\$2.50.	Greenhouse		5.00



McCORMICK
MOWING
MACHINES
Gear Drive

These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower. They are also equally well adapted for hay cutting.

4½ and 5 ft. cut, vertical bar, 2-horse machine.....	\$48.00
4½ and 5 ft. cut (New 4) 2-horse machine.....	47.00
3½ and 4 ft. cut, vertical bar, 1-horse machine.....	42.00



BARREL TRUCKS, Etc.

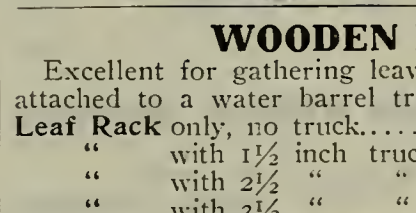
The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack or stone box may be attached.

1½ inch tire truck, all iron wheels, with barrel.....	\$10.00
2½ " " " " " "	10.75
3½ " " " " " "	11.25
Extra Barrels , with trunnions, open head.....	3.50
Stone Boxes for attaching to the above truck.....	3.25



KEYSTONE LEAF RACKS

This new device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$4.00.



WOODEN LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, shown above, instantly.

Leaf Rack	only, no truck.....	\$5.50
"	with 1½ inch truck.....	11.25
"	with 2½ " "	12.00
"	with 3½ " "	12.75



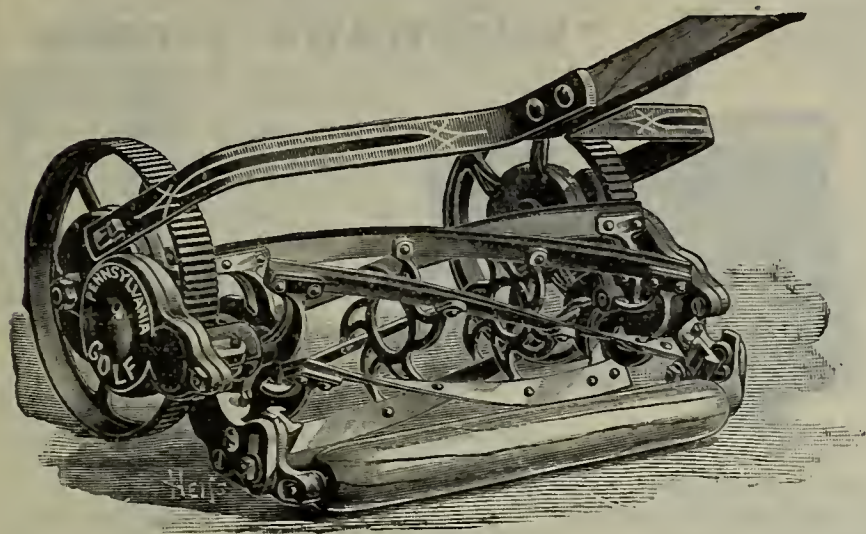
TWO POPULAR WHEELBARROWS

Nu-Way Barrow

Old Government Wheelbarrow

Nu-Way. The sides of this wheelbarrow can either be taken off or let down, so as to make a carrying space almost 3 times as great as when the sides are vertical. It is adapted especially for moving plants in boxes or other material that takes up plenty of space. It is equipped with a tire 1¼ inches wide, has a body 26½ inches long, 11 inches deep and 25 inches wide at the handles. \$6.00.

Old Government Style. This pattern of barrow has been used for years by private gardeners, and is preferred by them to many other styles. It seems to have a capacity greater than its appearance. It is equipped with a 1½ inch tired wheel, has a body 31 inches long, 9 inches deep, 26 inches wide; made of oak. \$4.00.

**PENNSYLVANIA GOLF LAWN MOWER**

8-inch Low Wheel, 6 Blades. Ball Bearing	9½-in. High Wheel, 7 Blades. Ball Bearing.
14-inch .....\$14.00	17-inch .....\$20.00
16-inch 16.00	19-inch 22.00
18-inch 18.00	21-inch 24.00
8-inch Low Wheel, 6 Blades. Plain Bearing.	9½-in. High Wheel, 6 Blades. Plain Bearing.
14-inch .....\$12.00	17-inch .....\$16.50
16-inch 13.50	19-inch 18.00
18-inch 15.00	21-inch 19.50

PENNA. PUTTING GREENS MOWER

Designed for cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a seven-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as ⅛ inch. Equipped with a 6-blade cylinder 5½ inches in diameter.

10-inch cut .....\$11.00	16-inch cut .....\$17.00
12-inch cut 13.00	18-inch cut 19.00
14-inch cut 15.00	

COLDWELL'S PUTTING GREENS MOWER

6-blade cylin. no grass catcher.	4-blade cylin. no grass catcher.
14-in. ..\$11.50 | 18-in. ..\$14.50	14-in. .. \$9.75 | 18-in. ..\$12.75
16-in. .. 12.50 | 20-in. .. 16.50	16-in. .. 10.75 | 20-in. .. 14.75

Grass Catchers for Coldwell Putting Greens Mowers

14-in. ...\$2.00	16-in. ...\$2.15	18-in. ...\$2.30	20-in. ...\$2.45
------------------	------------------	------------------	------------------

**COLDWELL'S DEMOUNTABLE CUTTER
PUTTING GREENS MOWER**

These machines are each provided with two complete sets of cylinder knives. A desirable feature, especially in a golf mower, which makes it impossible for the machine to be out of commission at any time, as the extra cylinder can be put in in less than a minute. The machine is equipped with an iron roller in the rear and in addition, a wheel carriage for transporting the mower from one putting green to the other. The cylinder has six blades. 16-inch, \$25.00; 18-inch, \$30.00; 20-inch, \$35.00.

If the extra cylinder is not wanted, deduct from the above prices as follows: 16-inch, \$7.00; 18-inch, \$8.00; 20-inch, \$9.00.

TOWNSEND GOLF WONDER MOWER

For putting greens this is a Cracker Jack. Price without grass box: 14-inch, \$17.00; 16-inch, \$19.50; 18-inch, \$21.00.

CONTINENTAL LAWN MOWERS

High wheel, 9½-inch diameter.	Low wheel, 7¼-inch diameter.
15-in. ..\$12.50 | 19-in. ..\$15.50	10-in. ..\$7.00 | 16-in. ..\$10.00
17-in. .. 14.00 | 21-in. .. 17.00	12-in. .. 8.00 | 18-in. .. 11.00
	14-in. .. 9.00

GREAT AMERICAN MOWERS

10½-inch high wheel. 5-blade cylinder. Ball Bearing.

15-in. ..\$10.00	17-in. ..\$11.00	19-in. ..\$12.00	21-in. ..\$13.00
------------------	------------------	------------------	------------------

PHILADELPHIA LAWN MOWERS

High wheel, style A. All steel.	High wheel, style K.
15-in. ..\$10.50 | 19-in. ..\$12.50	14-in. ...\$6.50 | 18-in. ...\$7.50
17-in. .. 11.50 | 21-in. .. 13.50	16-in. ... 7.00 | 20-in. ... 8.00

GRAHAM HIGH WHEEL MOWERS

This is an exceedingly fine mower, the best product of the Philadelphia Lawn Mower Co., after whose worthy president it has been christened. Easy running and of best steel.

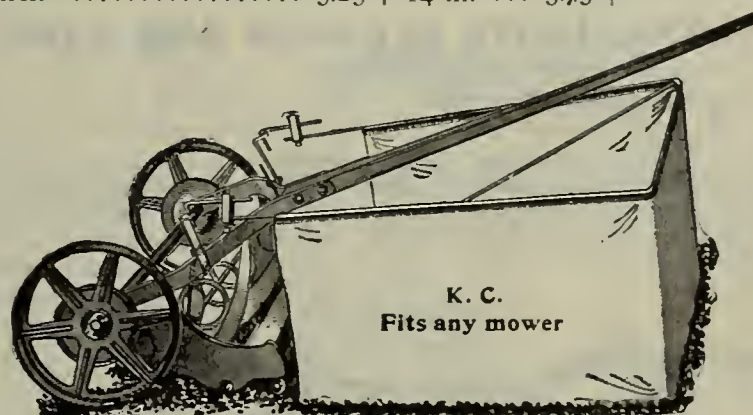
15-inch .....\$13.00	19-inch .....\$16.00
17-inch 14.00	21-inch 17.50

NEW DEPARTURE LAWN MOWERS

9½-in. wheel, 4-blade cylinder.	7-inch wheel, 3-blade cylinder.
15-inch .....\$7.25	12-inch .....\$4.50
17-inch 7.75	14-inch 4.75
19-inch 8.25	16-inch 5.25

ELECTRA LAWN MOWERS

9-inch wheel, 4-blade cylinder.	8-inch wheel, 3 blade cylinder.
14-inch .....\$4.75	10-in. ...\$3.25
16-inch 5.00	12-in. ... 3.50
18-inch 5.25	14-in. ... 3.75

**THE K. C. GRASS CATCHER**

There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The K.C. is designed to fit any size or style mower and can be attached or detached in a moment. Made of galvanized iron bottom and canvas sides. Price, 12- to 16-in. size, \$1.25 each; 16- to 22-in. size, \$1.45.

BRAUN GRASS CATCHERS

For the Pennsylvania, Continental, Great American B. B. and New Departure Mowers.

10-in. ...\$1.50	14-in. ...\$1.80	15-in. ...\$1.90	19-in. ...\$2.10
12-in. ... 1.60	16-in. ... 1.90	17-in. ... 2.00	21-in. ... 2.25
		18-in. ... 2.00	

GRASS CATCHERS FOR REGAL MOWERS

14-in. ...\$1.60	16-in. ...\$1.70	18-in. ...\$1.80	20-in. ...\$1.90
------------------	------------------	------------------	------------------

LAWN TRIMMERS

Pennsylvania Undercut Style (see cut). Owing to the conical shaped cylinder and bent side plate this machine will trim

under fences and closer to walls or tombstones than any other machine now made, and will not scrape or smudge the object against which it is cutting. Ball bearing. \$7.50.

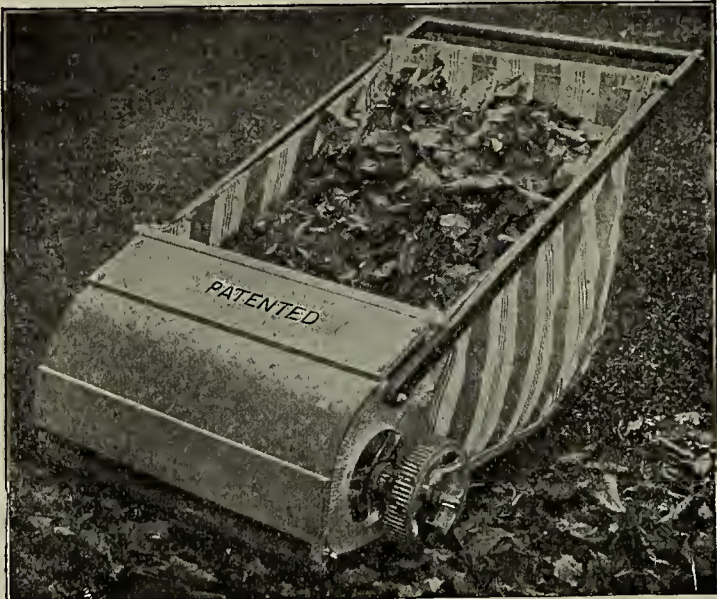
Coldwell Trimmer. This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 inches wide, and cuts within ¼ inch of side obstruction. Price, \$5.00.

Pennsylvania Regular Lawn Trimmer, \$5.00.

Capitol Lawn Trimmer and Edger, \$6.00.

Coldwell Gem Trimming or Border Mowers for cutting grass on steep terraces, around flower beds, etc. 8-inch cut, \$5.00.

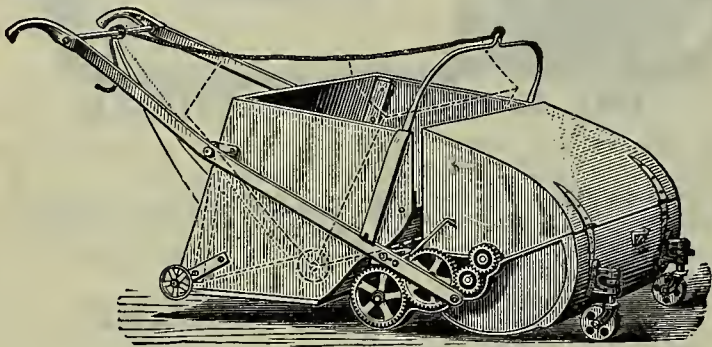




PENNA. LAWN CLEANER AND RAKE

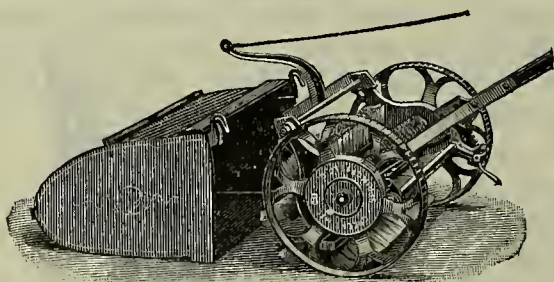
There is no equipment that can take the place of this indispensable apparatus; the name "comb and brush for the lawn" has often been applied to it. The flexible rake bars are of wood, with steel springs and teeth, they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity. This can be detached and emptied at will.

24 inch rake	\$16.00
36 " "	25.00



PHILADELPHIA LAWN SWEEPER

A simple machine for cleaning the lawn. A driving roller gives motion to a revolving brush placed directly in front, causing it to sweep the sod clean and throw the sweepings backward from the top of the brush into a large box in the rear of the roller. The box can be dumped without stopping. Sweeps 40 inches wide. Price, \$80.00.



APOLLO LAWN CLEANERS

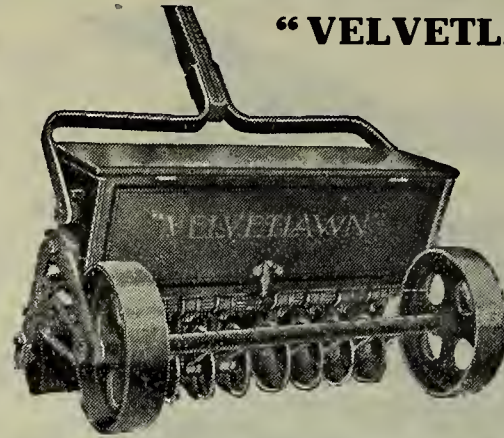
For sweeping lawns, paths, golf greens, tennis courts, etc., leaves them perfectly clean. For putting greens they are a great success. 28 inches wide, with rubber tires. Price, with rubber tires, \$18.00. We can supply these without rubber tires at \$1.50 less than price named, although we recommend the rubber tires.

HANSELL HORSE BOOT

Especially desirable for horses who land on their toes. Finished in black leather.

Plain, \$9.00 per set of four.

Steel Lined, 7 inches wide inside, \$10.50 per set of four.



"VELVETLAWN" SEEDERS

An excellent machine for properly sowing grass seed. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass. May also be used for distributing fertilizers. The horse machine is especially valuable for seeding large golf courses, pastures and lawns on private estates; for drilling in clover, alfalfa and similar seeds it works perfectly. Either machine is adapted to sowing either new lawns or old, but the problem of putting seed on old lawns and being sure it is properly covered so it will not blow away, but grow, is solved by these machines entirely. Any light horse handled by a boy can use the larger seeders, while an average man can handle the small machine.

Hand Machine, seeding 16-inch area, price \$15.00.

Horse Machines

	Price
1 horse, seeds 48-inch area, with drag chains.....	\$45.00
1 " " 48 " " " automatic press wheels..	55.00
2 " with drag chains	55.00
2 " with automatic press wheels	67.00

We guarantee these machines to give absolute satisfaction.

THE NEW CHAMPION SOD CUTTER



The best and most satisfactory machine on the market. Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.

Price, \$23.00.

Extra Knives for Sod Cutters \$4.50

GEM SPRINKLING CART



One of these carts should be on every country estate, as well as on the farm. They can be used for a multitude of purposes, chief among which is the sprinkling of Roads, carting water for live stock or for planting purposes. When used for the latter, a spigot can be attached to the tank for letting out the water, as required. Will sprinkle an area 18 feet wide; 150 gallons capacity; 4-inch tire wheels. Price, \$85.00.

LINK'S LAWN BOOT



Made of very heavy sole leather, waterproofed and finished black. The sole is substantially reinforced with steel rivets, which make the boot last twice as long as it ordinarily would.

No. 2—5½ inches inside.

No. 4—6½ " " "

No. 6—7 " " "

Price, per set of four, \$9.00.

Special Size Horse Boots made to order. Place the horse's feet on a blank paper, drawing a pencil around it to show size. Price usually not much more than for the ready made.

LAWN MOWER OIL



Pure oil that will not gum or get sticky is an essential for the satisfactory running of every mower. The oil sold by us has been selected with this point in view.

Prices: Per pint, 15c.; 25c. per quart; per 1/2 gal., 40c.; 75c. per gal.; 5 gals., \$3.00.

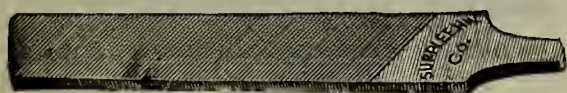
Lawn Mower Oil cannot be mailed.

OIL CANS

No.	
144, Zinc	.....\$0.20
13, Bronzed steel	.35
164, Brass	..... .40

EMERY

For sharpening Lawn Mowers. Price, 14c. per lb. (by mail, 30c.); 10 lbs., \$1.25.



FLAT FILES

For sharpening lawn mowers, etc.	
8 inch	.....\$0.20
10 inch	..... .25
12 inch	..... .30



SCYTHES

American, Little Giant, 32 inch	.....\$0.90
" " " 34 "	..... 1.00
" " " 36 "	..... 1.10

Little Giant Brush or Briar 1.00
The Little Giant is the best American-made scythe. It is excellent for field and heavy grass work.

English, 32 in., rivet back, Lawn Style.	\$1.25
" 34 " " " " "	1.25
" 36 " " " " "	1.35
" 38 " " " " "	1.35
" 38 " solid " " "	1.50

The English Scythes are best for fine grass or lawn work.



SCYTHE STONES

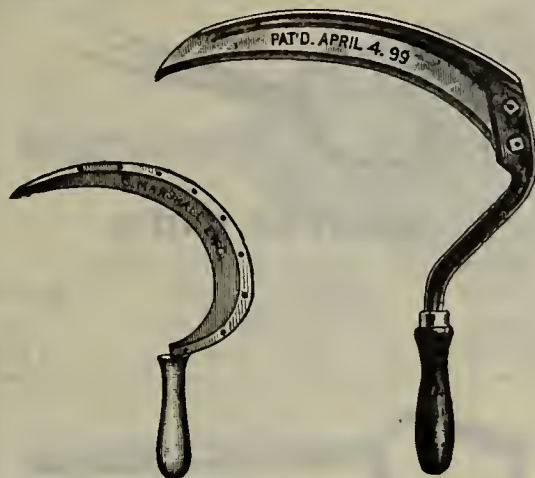
	Each	Doz.
Talacre, Imported (English).	\$0.18	\$2.00
Darby Creek	.10	1.10
Carborundum. Very fine quality	.25	2.50



SCYTHE HANDLES, Etc.

Made of hard wood, well finished.

Regular Scythe style	.....\$0.75
Bush " " "	..... .85
Snath Clips	..... .15



SICKLES or GRASS HOOKS

English Rivet Back, No. 3	.....\$0.60
" " " " 2	..... .50
" " " " 1	..... .50
" Solid " " 2	..... .50
Dutch, small, " 1	..... .30
" large " 2	..... .35
Little Giant	..... .50
Village Smithy, solid steel	..... .50

LAWN BORDER SHEARS

Made of finest English steel. They take the place of edging knives, and avoid the necessity of doing much stooping.

Without wheel.	
No. 104. 8 1/2 in.	..\$2.00
No. 104. 10 "	.. 2.50
With one wheel.	
No. 105. 8 1/2 in.	..\$2.50
No. 105. 10 "	.. 3.00



LAWN BORDER SHEARS

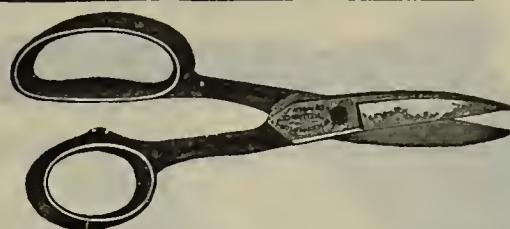
For trimming under shrubbery, fences and other out of the way places.

No. 1062, 8 1/2 in. blade,	
long handle, \$2.50.	
Handles for Border Shears, \$1.00 per pair.	



GRASS SHEARS

No.	
3075. 6 inch, English	.....\$1.00
3075. 7 " "	..... 1.25
119. 7 1/2 " Saynor (Inside spring)	1.50
120. 7 1/2 " " "	1.75
360. 6 " English	..... .75
361. 5 1/2 " " "	..... .60
263. 5 1/2 " Trowel Shank	..... .50
268. 5 1/2 " Extra Heavy	..... .60
273. American	..... .35



WIRE AND TIN SHEARS

8 inch, used for cut flower wire etc. .\$.75
10 inch, Berlin, used for heavy wire and tin 1.10

ENGLISH BOW SHEARS



Bow Scissor

For cutting and trimming flower bushes and shrubbery.

No. 3790. 6 inch	..... 1.20
No. 3790. 7 " "	..... 1.30



CUT FLOWER GATHERER

Cuts the stem and holds it without crushing. The heel of the blades cut thin wire. 6 inches long\$1.00

FLOWER SCISSORS

Cuts flower and holds the stem. Nicked, \$1.00



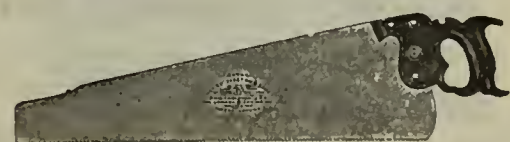
GRAPE SCISSORS

No. 3794. 6 inch	.....\$0.90
No. 3794. 6 1/2 " "	..... 1.00
No. 3794. 7 " "	..... 1.10
No. 3794. 8 " "	..... 1.25



CROSS CUT LOG SAWS

Great American style, of best steel.
One Man, 3 1/2 ft. blade\$2.00
Two Man, 5 ft. blade 2.50



CARPENTER SAWS

When ordering state if rip or cross cut is wanted.
No. 8—26 inch blade\$1.85
No. 8—28 inch blade 2.00

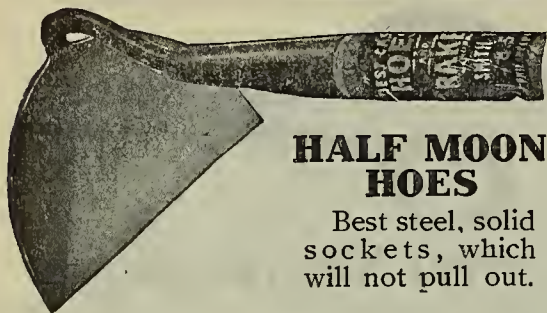


BUCK SAW

Each\$.85

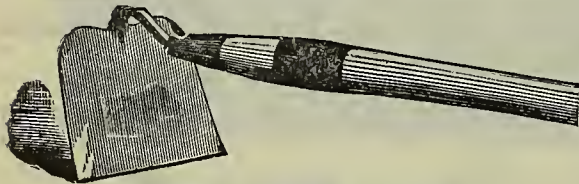
SAW-HORSE or WOOD BUCK

Each\$.60

**HALF MOON HOES**

Best steel, solid sockets, which will not pull out.

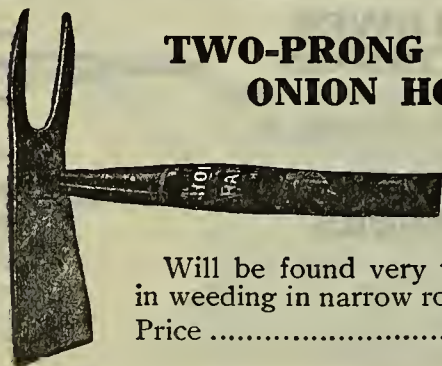
3-inch	.....	\$0.35
4 "	.....	.40
5 "	.....	.45
6 "	.....	.50
7 "	.....	.55
8 "	.....	.60

**SQUARE HOES**

6-inch, solid shank	.....	\$0.45
7 " " "	.....	.50
8 " " "	.....	.55

SQUARE CELERY HOES

10-inch	.....	\$0.80
14-inch	.....	\$1.25

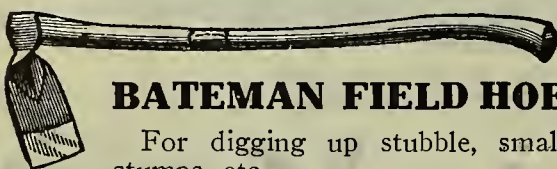
**TWO-PRONG ONION HOE**

Will be found very valuable in weeding in narrow rows.
Price\$0.45

**WARREN HOES**

Excellent tools for making drills preparatory to sowing of seed. The back can be used for covering.

Small	.....	\$0.65
Large	.....	\$0.75

**BATEMAN FIELD HOE**

For digging up stubble, small stumps, etc.

5½-inch blade, each	.....	\$1.10
6½ " " "	.....	1.25
8 " " "	.....	1.40

**TOMATO TRANSPLANTING HOE**

Avoids kneeling when planting. Made of best steel. Price, 60c.

**SCUFFLE HOES**

Made of best English steel.

4-inch	.....	\$0.50
5-inch	.....	.55
6-inch	.....	.65
7-inch	.....	\$0.70
8-inch	.....	.75
10-inch	.....	1.00

**THE HILTON HOE**

This is the best garden hoe for weeding ever offered. It works both ways and there is no lost motion, does very quick work. 8 inch blade.

Price70c.

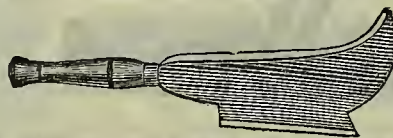
**BRUSH OR BRIAR HOOK**

Steel cutting blade, long handle.

Price\$0.65

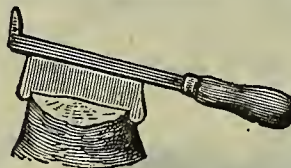
**STEEL HEDGE KNIVES**

For cutting heavy brush, shrubbery, hedge, etc. Made of the finest steel with a slight hook on blade. Each \$1.00.

**ENGLISH BILL HOOKS**

For trimming heavy shrubbery, trees, etc.

Short handle	.....	\$1.25
Long handle	.....	2.00

**GRAFTING TOOL**

Best English steel for grafting trees, etc.

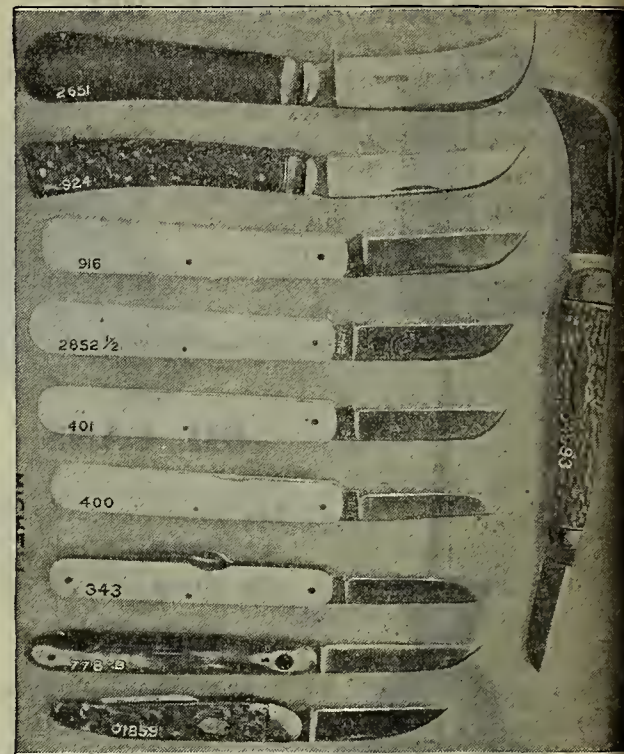
With Wood Handle (see cut) ..\$0.75

All Steel60

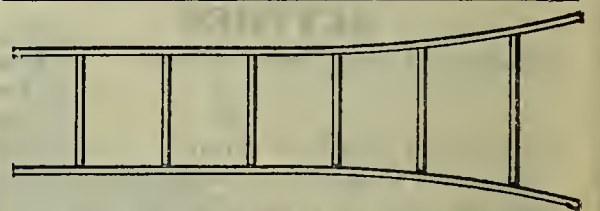
**GRAFTING WAX**

¼ lb., 10c.; 15c. ½ lb.; 1 lb., 25c.; \$1.10 per 5 lbs.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.

**HORTICULTURAL KNIVES**

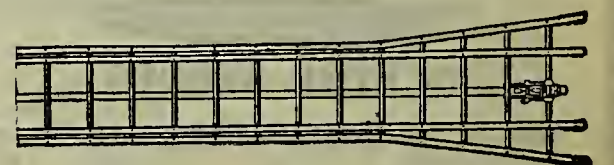
No.	400.	Saynor Budding, 1 blade.	\$1.50
"	401.	" " " 1 "	1.50
"	343.	" " " 2 "	1.75
"	778B.	German " " 1 "	.75
"	01859.	American Budding and Pruning, 2 blades	1.00
"	04993.	American Budding and Pruning, 2 blades	1.00
"	2852½.	American Budding, 1 blade	1.00
"	924.	English Pruner, 1 blade..	1.15
"	928.	" (large).	1.50
"	105.	German Pruner, 1 blade (See old No. 2651)....	.75
"	1100.	American, 2 blade, stag handle	.50
"	727W.	German Budding, 2 blades	1.00

**SINGLE PLANK LADDERS**

Made of good hard wood, free from faulty knots; with perfect rounds.

10 ft.	.....	\$2.50
12 ft.	.....	3.00
14 ft.	.....	3.50
16 ft.	.....	\$4.00
18 ft.	.....	4.50
20 ft.	.....	5.00

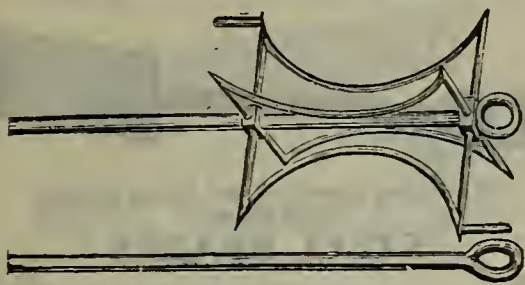
Larger sizes up to 24 ft. at 25c ft.

**EXTENSION LADDERS**

These are made in the best manner possible, are complete, being equipped with the necessary rope and pulleys.

16 ft.	.....	\$4.80
18 ft.	.....	5.40
20 ft.	.....	6.00
22 ft.	.....	6.60
24 ft.	.....	7.20
26 ft.	.....	\$7.80
28 ft.	.....	8.40
30 ft.	.....	9.00
32 ft.	.....	9.60
34 ft.	.....	10.20

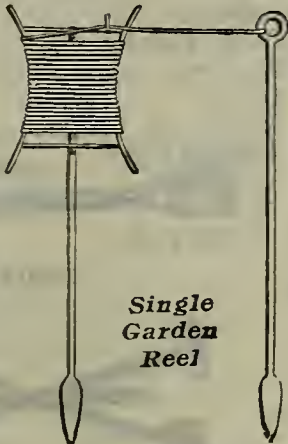
36 to 44 ft. size at 28c. per foot.



Double Garden Reel

GARDEN REELS

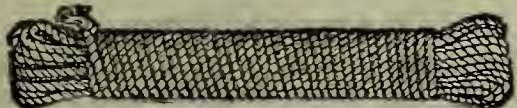
Small, Single ..\$0.50
Medium, Single .75
Large, Single .. 1.35
Large, Double . 2.00



Single Garden Reel

GARDEN LINE

Best Italian hemp.
60 ft.\$0.40
90 "60
120 "80
300 " 1.60
100 " braided .. .75
Plow Line Cotton, 45-ft. hanks, 40c.



LIQUID MANURE DISTRIBUTER

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. -All brass.

Price, \$1.75 each. (By mail postpaid, \$1.90.)



STEEL PLIERS

Side Cutting (see cut). 6 inch, 80c.; 7 inch, \$1.00.
Button Pliers. 7 inch, 60c.

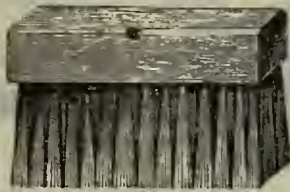
HUSKING PINS

Made entirely of metal and can be adjusted to fit any sized hand. 15c. each; per doz., \$1.60.



BROOMS

	Each	Per Doz.
Japanese Fibre (see cut) ..	\$0.60	
Corn and Rattan, mixed ..	.60	
Golf Greens (birch) .....	.30	\$3.00
Plain Corn, extra quality ..	.45	



Rattan Broom

ROAD BRUSHES

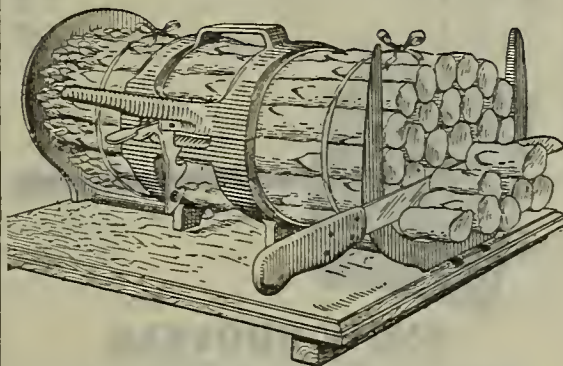
Rattan Push, 14 in. (see cut)\$0.75
" Sweeping60
Bass or Cocoa Push, 14 in.75

TREE OR BARK BRUSHES

For brushing down trees, for removing insects, borers, etc., made of steel.
Price, 8½-inch, 30c.

WHITEWASH BRUSH

Very best quality Clinton make. 7 in., each \$1.35.



ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform.

Price, with Knife Guard, \$1.75



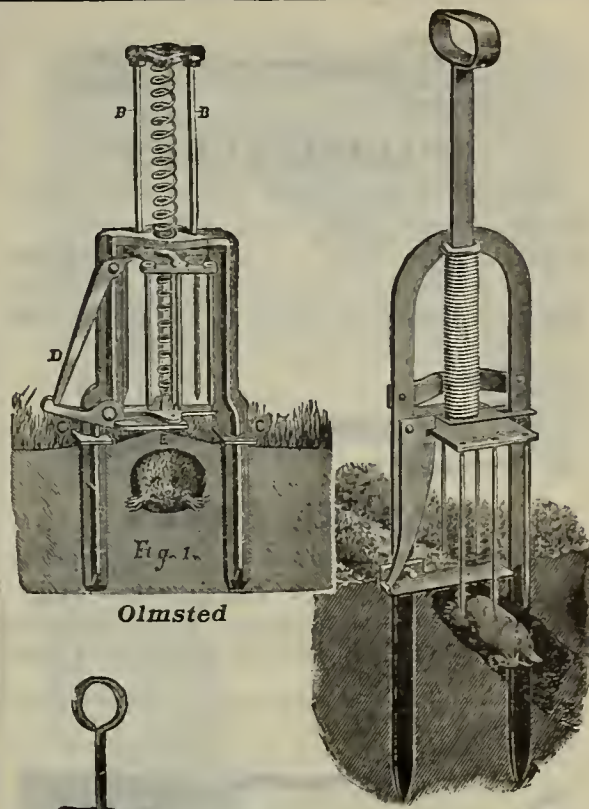
ASPARAGUS KNIVES

Bateman's (see cut)\$0.35
American. V-shaped blade45



CORN KNIFE

Eureka, bent blade\$0.50



Olmsted

Rittenhouse

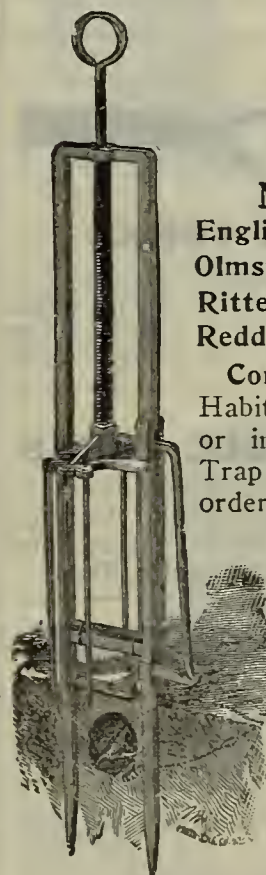
MOLE TRAPS

	Each
English, for hot beds ..	\$0.40
Olmsted	1.50
Rittenhouse. Easily set	.75
Reddick	1.00

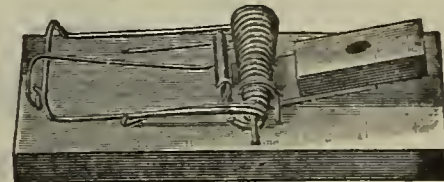
Complete Booklet on the Habits of the Mole mailed free, or included with each Mole Trap if asked for at time of ordering.

HOW TO CATCH MOLES

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.



Reddick



Out-O-Sight Rat Trap

OUT-O-SIGHT TRAPS

The most satisfactory rat and mouse trap. Set off at the least vibration. Each Doz.
Mouse\$0.10 \$1.00
Rat25 2.50



TREE SCRAPERS

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. Price, short handled, 60c.; long handled, \$1.00.

**SPADING FORKS**

Strapped shanks, short or D-wood handle.
Made of best quality steel.

Men's, 4 tine\$1.00
" 5 " 1.15
Boys' or Ladies', 4 tine60

**MANURE FORKS**

Strapped shanks, short or D-wood handle.
4 tine, light, 85c.; 4 tine, heavy, \$1.35;
5 tine, medium, \$1.25; 6 tine, medium,
\$1.35. Strapped shanks, long handle, 4 tine,
90c.; 5 tine, \$1.10.

**STEEL HAY FORKS**

Equipped with strapped shanks.

	2 Tine	3 Tine
5-ft. handles	.....\$0.80	\$0.90
6 " "	..... .90	1.00
7 " "	..... 1.00	1.10

HICKORY STABLE FORKS

Excellent to use for tossing straw or
litter in stables. No danger of injuring
animals by sticking. Prices: 3 tine, long
handles, 85c.; 4 tine, long handles, \$1.00.

**MANURE
DRAGS**

For manure, potatoes,
etc. 4 tine, flat, 60c.;
6 tine, flat, 80c.

**IMPLEMENT HANDLES**

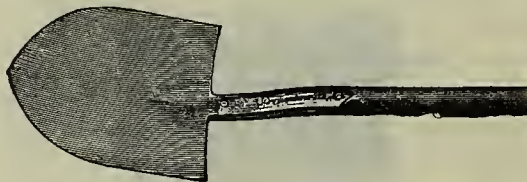
	Each
Axe	.....\$0.20
Spade, plain	..... .35
Fork Spading, plain	..... .35
" Manure " short	..... .35
" " " long	..... .25
" Hay " "	..... .20
" Boys' " "	..... .25
Shovel, short	..... .35
" long	..... .25
Spade, short	..... .35
" long	..... .25
Hoe	..... .10
Rake, Garden	..... .10
" Lawn	..... .10
Pick or Mattock	..... .25
12 foot Poles	..... .45
14 " "	..... .80
16 " "	..... 1.00

**SHOVELS**

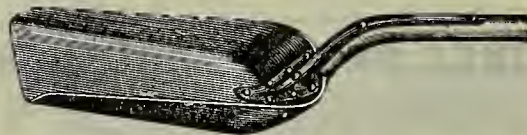
We handle only the very best makes
of steel shovels. Every one is guaran-
teed to give entire satisfaction.

Short Handle

Ames, round point	.....\$1.40
" square point	..... 1.40
Maynard, solid socket, square point	1.40
" " round	1.40
Imperial, round point	1.00
" square point	1.00

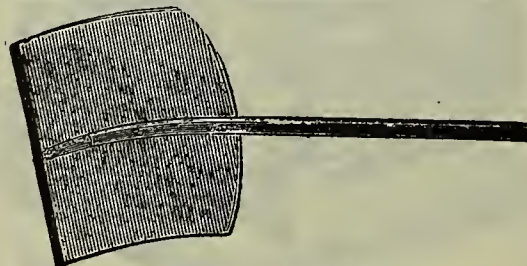
**SHOVELS Long Handle**

Ames, round point	.....\$1.40
Imperial, round point	1.10
" square point	1.10
Featherweight, 4 1/4 lbs., round point	1.25
Maynard	1.40

**STEEL SCOOP SHOVELS**

All equipped with strapped shanks,
wood D or short handles.

No. 2, 10 inch mouth	.....\$0.90
" 3, 11 " "	1.00
" 4, 11 1/2 " "	1.10
" 5, 12 " "	1.15
" 6, 13 " "	1.20

**SNOW SHOVELS**

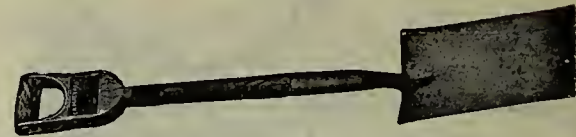
Adams, wood (see cut), wood-D	
handles	.....\$0.60
Phillips, wood, long handle	..... .50

**POTATO SCOOP**

Wire, made of heavy steel wire	
very substantial	.....\$1.75

**STEEL CLAW HAMMERS**

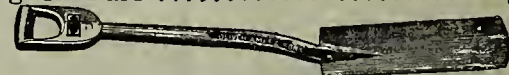
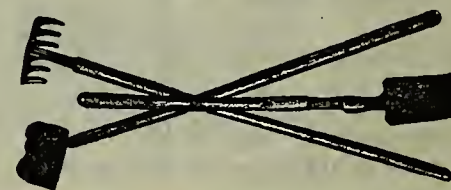
Price, 65c. each.



Maynard Spade—One Piece Socket
and Spade

STEEL SPADES

Ames	.....\$1.25
Maynard	1.40
Imperial	1.00
Long Handle	1.00
Nursery	1.75
Drain	1.35
Boys'	.85
English Turf	4.00

**Drain Spade****GARDEN SETS**

For ladies and children, in fact they are
suitable for the country gentleman, con-
sisting of 1 hoe, 1 rake and 1 spade. Large
size per set, \$1.00. Small size, 50c.

ENGLISH TURF IRON

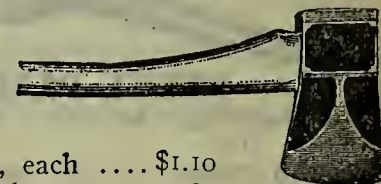
No. 275, for lifting sod and turf. Best
steel; will last a lifetime. \$4.00 each.

**English Digging Fork****ENGLISH DIGGING FORK**

Though made in America, it is made ex-
actly after the pattern of Garden Forks such
as are made and used in England. The
prongs are solid steel and square instead of
rounded edges, which adapts it especially for
digging in heavy soil, in which it works with
ease. Every gardener should add one of
these to his collection of tools, as we know
it will give him splendid satisfaction.
Further, they will last a lifetime. No. E. D. 4,
\$1.75 each.

**BEST
QUALITY
AXES**

Kelly, medium, each	....\$1.10
Kelly, boy's each	..... .85

**HATCHETS**

Blue Jeans, medium	...\$0.65
F. R. Plumb, heavy	... .70





STEEL GARDEN RAKES

Made of best cast steel, with long teeth for penetrating the ground.

6 tooth	.....\$0.45	12 tooth	.....\$0.55
8 "	......45	14 "	......60
10 "	......50	16 "	......65



STEEL GRAVEL RAKES

These rakes are used for road-raking and for paths. Having very short teeth they do not gather up stones or gravel.

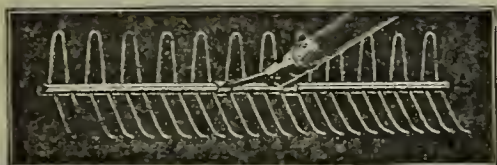
12 tooth	.....\$0.55	16 tooth	.....\$0.65
14 "	......60	18 "	......70
20 tooth	.....\$0.80		



STEEL BOW RAKES

Preferred by many to the regular garden rake. The teeth are slightly bent toward the operator.

11 tooth	.....\$0.60	13 tooth	.....\$0.65
15 tooth	.....\$0.70		



GIBBS OR LAWN QUEEN RAKE

Made of heavy tinned steel wire. These are excellent for lawn or walk work. The rake is reversible and will answer several purposes.

24 tooth\$0.50	36 tooth\$0.75
----------	-------------	----------	-------------



AMES WOODEN RAKES

14 tooth with wood bows.	For hay, etc.	\$0.55
24 " " " "	" lawns	.70
24 " " steel " "	" "	.80



WOODEN HAY AND LAWN RAKES

Made of best material, braced with wire rods.

14 tooth, oak, all wood	.....Each	\$0.50
14 " hay, wire braced	....."	.30
20 " field, wire braced	....."	.35



OLE OLSEN LAWN RAKES

This rake head is slightly curved from the centre to each end which does not allow any material that has been caught by the teeth to slip around the edges. 26 tooth, hickory wood. Price, 50c.



DAISY RAKE

For removing dandelion and other obnoxious growth from lawns and fields. Made of finest English steel.

16 tooth\$3.00	20 tooth\$3.50
----------	------------	----------	------------



LAWN KING RAKES

Made of best hard wood, thoroughly braced with iron. The most excellent wooden lawn rake in the market.

22 tooth	....\$0.30	38 tooth	....\$0.75
26 tooth	.... .50	50 tooth	.... 1.00



AUTOMATIC LAWN RAKE

This rake is fitted with an unloading head. While raking this head lies forward, and upon pressing the rake forward the unloading head moves backward cleaning out the raking head entirely.

22 tooth	....\$0.50	38 tooth	....\$0.90
26 tooth	.... .60	50 tooth	.... 1.35



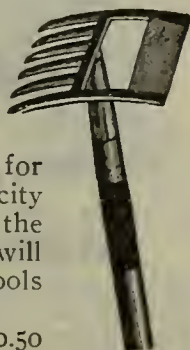
MARKING RAKES

These are for marking out garden rows; adjustable brass teeth, which are set for any width row desired up to 4 1/2 ft. Price, \$5.50. (Extra teeth, 50c. each.)

HOE AND RAKE (COMBINED)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

4-prong	.....\$0.50
6 "	......60



LAWN SHOVEL AND EDGER

The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.00 each.



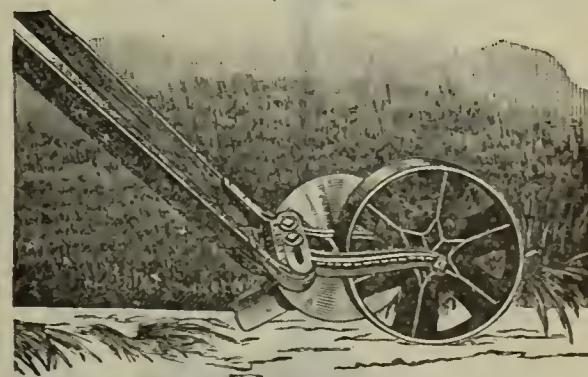
EDGING KNIVES (with handles)

For trimming edges of paths, etc.

Mehler Edging Tool	.....\$1.00
American	......60
English, 8 inch	..... 1.50
English, 9 inch	..... 1.75
McNiece make, 8 inch	..... 1.00
McNiece make, 9 inch	..... 1.10

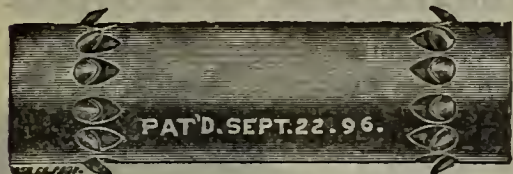
MEHLER'S COMBINATION

Hoe, cultivator and soil pulverizer combined. Just the thing for celery culture. \$1.00



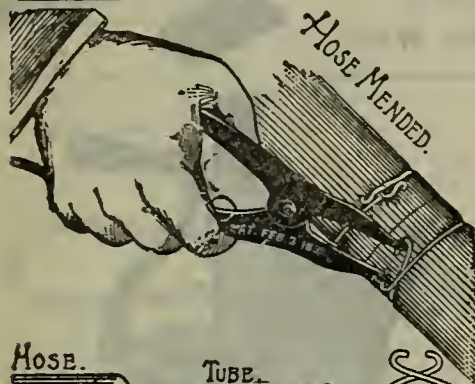
PLANET JR. GRASS EDGER

The Planet Jr. Grass Edger will edge either straight or curved work, paths, drives, open borders or flower beds, doing the work well and rapidly. Price, \$6.00.



HOSE MENDERS

	Each	Doz.
Cooper's— $\frac{3}{4}$ -inch	\$0.10	\$1.00
" $\frac{1}{2}$ -inch	.10	1.00
Jones'— $\frac{3}{4}$ -inch (iron)	.05	.50
Hudson's— $\frac{3}{4}$ -inch (brass)	.04	.42
" $\frac{1}{2}$ "	.04	.42



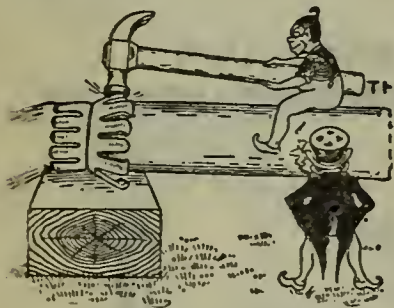
HOSE MENDING OUTFIT

(For $\frac{3}{4}$ -inch Hose)

Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands.

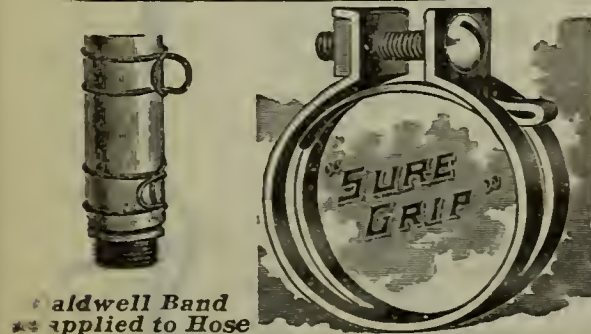
Price: Each. 65c.; by mail, 75c.

THE PERFECT HOSE MENDER



Made entirely of brass, with swivel motion—no band required.

For $\frac{3}{4}$ inch hose, 10c each; doz. \$1.00.



HOSE BANDS

For fastening couplings and menders in hose.

No.	CALDWELL'S	Doz.	100
3—For 3-ply hose	\$0.18	\$1.00	
5—For 4-ply hose	.18	1.00	

HUDSON'S

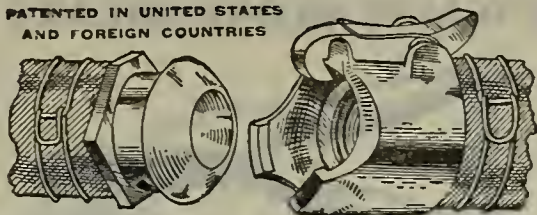
See illustration in Hudson Hose Mender Outfit cut.

$\frac{3}{4}$ -inch	\$0.18	\$1.00
1-inch	.20	1.25

SURE GRIP

$\frac{3}{4}$ -inch, 5c each; per doz., 50c.

PATENTED IN UNITED STATES
AND FOREIGN COUNTRIES



SNAP HOSE COUPLING

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 25c. pair; doz. pairs, \$2.75. (Washers, 20c. doz.)

SNAP COUPLING PARTS

No. 2—Male (see left hand illustration above). 8c. each; per doz., 85c.

No. 1—Female (see right hand illustration above). 17c. each; per doz., \$1.90.



BRASS HOSE COUPLINGS

	Per pair	Doz. pairs
$\frac{3}{4}$ -inch	\$0.15	\$1.60
1 " "	.35	4.00

HOSE REDUCERS

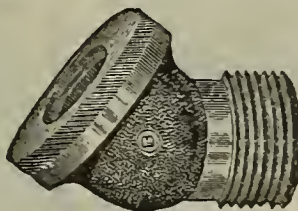


For reducing 1-in. pipe to fit regular $\frac{3}{4}$ -in. hose. All brass. Each 30c.

Royal Hydrant Attachment

To be used for attaching hose to smooth faucets.

Price, 30c.



PLAIN STREAM NOZZLES

For $\frac{3}{4}$ -inch hose, each ... 25c., 30c., 35c.

BOSTON SPRAY NOZZLE



These render the same service as does the rose of a watering can. They are screwed on the end of the hose like any other nozzle. Coarse and fine, $\frac{3}{4}$ -inch.

Light Copper	\$0.60
Heavy Brass	1.00

BOSS HOSE NOZZLES

For $\frac{3}{4}$ -inch hose. Price, 45c. each.



GEM HOSE NOZZLE



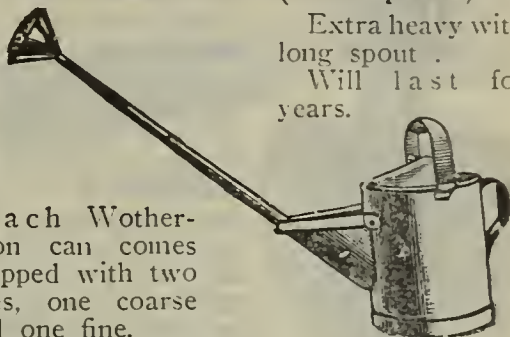
$\frac{3}{4}$ -inch hose. Can be regulated to give three different streams. Price, 35c.

PLIERS FOR HOSE BANDS

Caldwell.....25c. | Hudson.....25c.

WATER CANS (Wotherspoon's)

Extra heavy with long spout. Will last for years.



Each Wother-spoon can comes equipped with two roses, one coarse and one fine.

	2 quart (equipped with one rose only)	Round	Oval
4 " "	\$1.15	1.60	
6 " "	1.85	2.10	
8 " "	2.00	2.35	
10 " "	2.25	2.60	
12 " "	2.60	2.85	
16 " "	3.15	3.50	
12 qt. Manure Watering Can	\$2.75		
4 qt. Fern or Low Watering Can	1.50		

EXTRA ROSES OR SPRAYS

For Wotherspoon Watering Can, either coarse or fine. 35c. each.

GALVANIZED WATER CANS

Fine for cemetery purposes and other places where a can is desired to last several seasons.

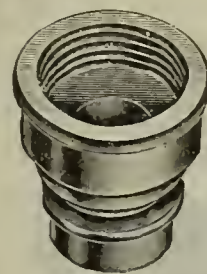
4 quart.....\$0.35	12 quart.....\$0.70
6 "45	16 " 1.00
8 "55	20 " 1.25
10 "60	

LIGHT TIN WATER CANS

1 quart, painted green.....Each, \$0.25
2 " " "30
4 " " "35

ENGLISH WATERING CANS

No. 2, 4 qt. ... \$2.00	No. 3, 6 qt. ... \$2.25
No. 4, 8 qt. ... 2.50	No. 5, 10 qt. ... 2.75



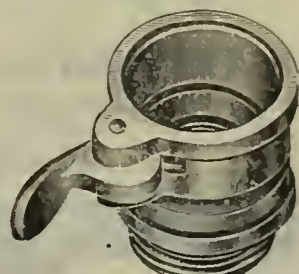
No. 3

ACME HOSE COUPLINGS

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot. 15c. each; doz., \$1.50.

No. 4 part, for attaching to hose.

No. 4 parts, 25c. each; doz., \$2.50. Couplings complete, consisting of one No. 3 and one No. 4 part. 35c. each; per doz., \$3.75.



No. 4

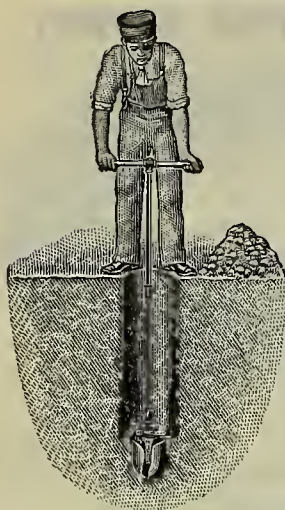
BINKS HOSE NOZZLE

Made of aluminum, with a brass face. With a fine and a coarse spray, permits watering without wetting the hands. \$2.75 each.

SIAMESE HOSE CONNECTION



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 75c. each.



No. 8 POSTHOLE DIGGER

(See Cut)

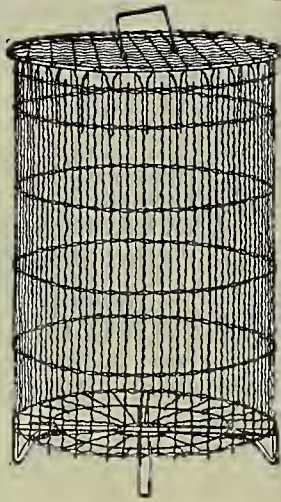
This is really an earth auger, bores a hole 3½ ft. deep and can be adjusted in diameter from 8 to 14 inches. It can be emptied instantly, it is made of the finest steel and a man with one of these can do 3 times as much work as with an ordinary digger. \$3.50

No. 15 Eureka Posthole Diggers, \$1.

MICHELL'S RUBBISH CONSUMERS

Made of heavy galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property. Will last a lifetime.

Diam.	High	Price
A, 12 in. x 18 in.,		\$1.25
B, 15 in. x 22 in.,		1.50
C, 18 in. x 26 in.,		1.75
D, 21 in. x 31 in.,		2.50



PICKS (Price includes handle)

All steel. Double point, 80c.; axe point, 90c.



MATTOCKS (Price includes handle)

Axe pointed (see cut) \$1.00
 Pick pointed 1.00
 Half Mattocks or Grub Hoes85



MONKEY WRENCHES

For machinery. Made of first quality hard steel. 8-inch, 60c.; 10-inch steel, 75c.

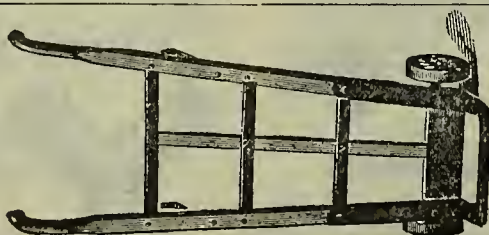


SCREW DRIVERS

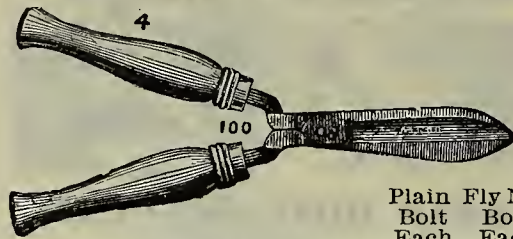
No. 23—Champion, 4 inch blade.....\$0.25
 No. 23—Champion, 6 inch blade..... .35
 No. 23—Champion, 8 inch blade..... .45

SACK TRUCK

These are handy around the barn for moving bags, barrels, etc. \$3.50 each.



ENGLISH HEDGE SHEARS



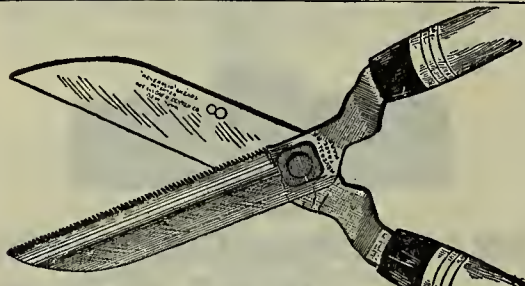
	Plain Bolt Each	Fly Nut Bolt Each
107—5½ inch, Ladies'	\$1.00	
101—8 "	1.50	\$2.00
101—9 "	1.75	2.25
101—10 "	2.00	2.50
101—12 "	2.50	

Handles for Hedge Shears, 50c. per pair.

SAYNOR HEDGE SHEARS

For very heavy hedges.

9 in. (fly nut) \$2.50 | 10 in. (fly nut) \$2.75



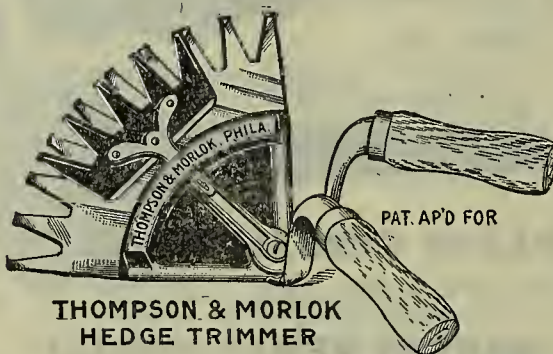
HEDGE SHEARS (Never slip)

As may be seen by the illustration these shears have a saw edge on one blade which prevents them from slipping when cutting, made of the best quality English steel.

8-in. ..\$1.80 | 9-in. ..\$2.25 | 10-in. ..\$2.50

UNIQUE HEDGE TRIMMER

A practical tool for trimming the summer growth of hedge. It works like a charm, and leaves the hedge in better shape than you could with any other shear and does the work in ¼ the time. Guaranteed satisfactory; cut 16-inch swath (see page 172). Price, \$5.00.



ROAD SCOOPS

For dragging soil from one place to the other, grading, etc.

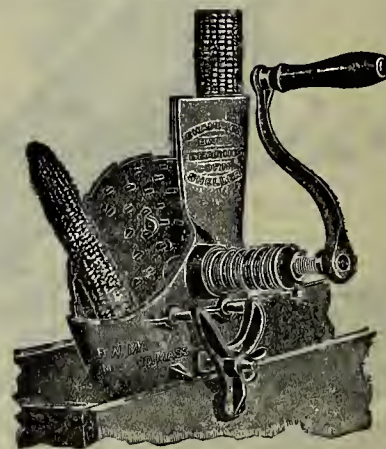
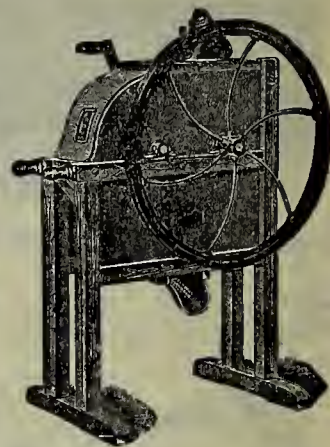
1L. 7-ft. capacity ..	\$6.50
2L. 5-ft. " ..	6.00
3L. 3-ft. " ..	5.75



PENNSYLVANIA CORN SHELLER

Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another.

Price, \$7.00



MANN'S CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing, suitable for fastening to a bench, box, etc. Price, \$2.00.

BLACK HAWK CORN SHELLER

For shelling small quantities of corn. \$2.00 each.

BASTIAN'S PATENT TREE PRUNER

The merits of this pruner can hardly be estimated, unless one gives it a trial. It is the most powerful device of its kind, ever invented. With the greatest ease it will cut any limb that fits in its jaws, which are about 1½ inches wide. By reason of its design, the leverage does not in any way bend the pole, as it is a direct down stroke. It is decidedly the best tree pruner on the market.

8 ft.....	\$1.50
10 ft.....	1.75
12 ft.....	2.00
14 ft.....	2.25

Extra Blades for cutter, 15c. each.



PRUNING SHEARS, Etc.

Our pruning shears are procured from the most reliable makers in America and Europe and but 03 are fully guaranteed in every particular.



Wiss Pruning Shears	
No. 109 Wiss, 8 in.	\$2.00
190 Henckle Pattern 7½ in.	1.25
200 " 8½ in.	1.50
210 " 9½ in.	1.75

8½ inch Searight (Compound) .. 1.75
Rhodes Double Cut, 8½ inch..... 1.75

The Henckle patterns are equipped with a ratchet nut which takes up all wear.



88 Hessenbruch, 8 in.	\$1.10
1537 German, 8 in.	.65
03 American, 8 in.	.40
23 Ladies' nicked, 4½ in.	.80
23 " 5½ in.	.90
23 " 6½ in.	1.10



FRENCH PRUNING SHEARS

These have a distinct, very easy working, spring and are especially desirable for one whose hand is liable to fatigue when pruning

French, small, 7 inch	\$1.25
" large, 8½ inch	1.50



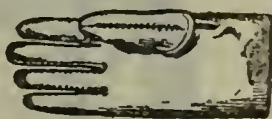
LEVIN PRUNER

On account of its peculiar construction, the handle of this shear affords a great deal of leverage, which makes very easy cutting possible Price, 70c.

Spiral Springs for Pruning Shears. 10c. each; per doz., \$1.10.

Springs for French Pruning Shear. 25c.

LEATHER PRUNING GLOVES



Buckskin, pair	\$1.75
Ordinary, pair	1.50
Buckskin, with gauntlets, pair	2.00

FLY NUTS



For Hedge Shears, 30c. each.

The Fly Nut feature of a hedge shear enables the wear to be taken up instantly by merely tightening the same.

TREE PRUNERS



Disston's Pole Pruner



Pruner and Saw

Disston's Little Giant. (See cut) .. \$1.10
Disston's Little Giant. With saw attachment. (See cut) 1.50



TELEGRAPH TREE PRUNER

Price, \$1.00.

HESSENBRUCH TREE PRUNER

No.	Price
5340	\$1.25
1820	2.50
1806	1.75
1805	.75



WATERS TREE PRUNERS

With removable cutting blade and pole complete.

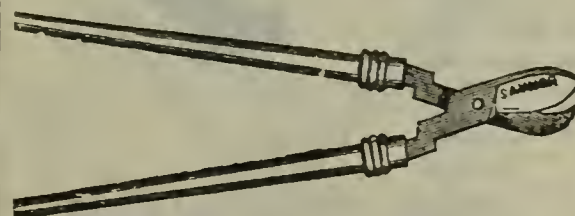
4 feet	\$0.75
6 "	.85
8 "	1.00
10 "	1.15
12 "	1.25
14 "	1.50

Extra Blades for Waters Pruners, 25c. each.

None of the above Tree Pruners except the Waters are equipped with poles or rope.

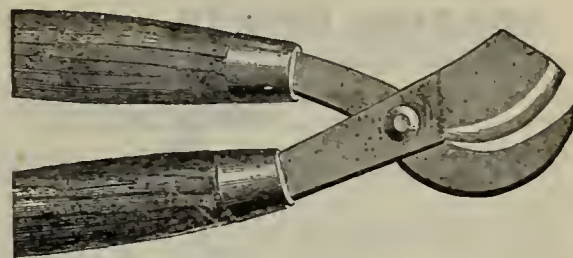
POLES for Tree Pruners.

12 feet long, 1¼ inches diameter	\$0.45
14 " 1½ " "	.80
16 " 1½ " "	1.00



ENGLISH LOPPING SHEARS

For tree and heavy hedge pruning. Made of the finest English steel, \$3.50 each.



LOPPING SHEARS

These are used in trimming trees and for cutting heavy hedge that the regular hedge shear will not cut.

Rockdale Style. See cut \$1.00

Searight Style. Has a tremendous leverage, which means easy cutting; made of the finest American steel.. 2.00

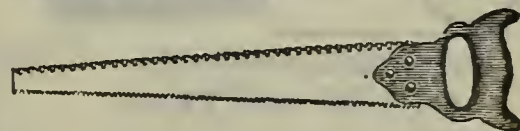
RHODES LOPPING SHEAR

For trimming trees, bushes, heavy shrubbery, etc.

Makes an absolutely clean, perfect cut, the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch handles.

Price, \$2.50.

DISSTON PRUNING SAWS



18 inch Duplex (double edge)	\$0.85
20 " " "	1.15
16 " Single edge	.70
18 " " "	.80
20 " " "	1.00
22 " " "	1.25

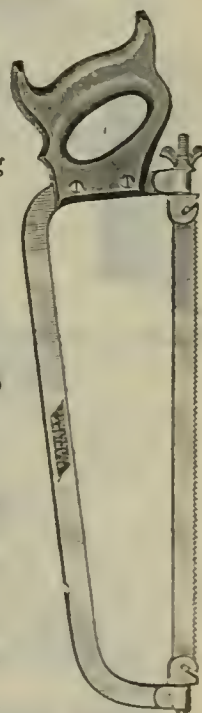
SEARIGHT TREE PRUNER No. 3

Equipped with forged steel hook and blade. The lever handle is connected to the blade by a rod and the spring always throws the cutting part open to receive a limb. This is the very best tree pruner made, and is actually worth double the price asked for it.

8 ft...	\$1.40	12 ft...	\$1.75
10 ft...	1.60	14 ft...	2.00

ADJUSTABLE PRUNING SAW

The ideal tool for working with in trees. The blade is held in position by a thumb screw, which can be tightened or loosened at will to change the angle of the saw. This avoids the necessity of twisting the body or the arm. The blade is of the finest steel, 18 in. long, \$1.00.



GLAZING POINTS

Peerless. Made of zinc, can be used on right or left hand side of sash bar. 3 sizes.

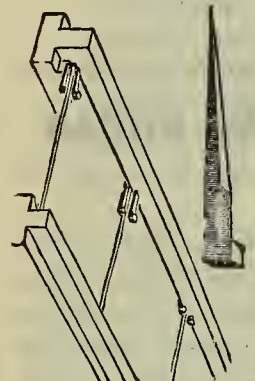
No. 1 for single thick glass.

No. 2 for single thick glass.

No. 2½ for double thick glass.

Price, 60c. per 1000 (by mail, 76c.).

Pincers. For driving Peerless Points, 50c. per pair.



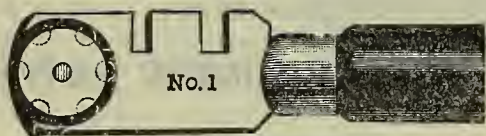
Siebert's Glazing Point

Siebert Style. Made of zinc, with a prominent head; cannot rust; easily driven. 5-8, 6-8 and 7-8 inches long. 40c. per lb.; 10 lbs., \$3.75.

There are between 1000 and 1200 points in a lb. of the above.

Naumann's Brass Glazing Points. 85c. per 1000 (by mail, \$1.10).

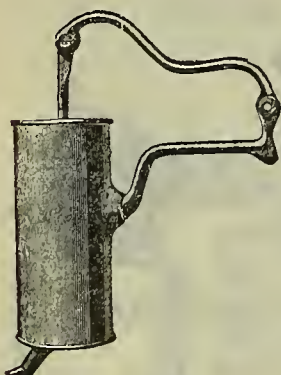
Zinc Glazing Nails. 20c. per lb.; 10 lbs. \$1.85.



6-Wheel Glass Cutter

GLASS CUTTERS

Single Wheel, steel, each.....	\$0.15
6-Wheel, steel, each .....	.35
Diamond (ebony handle)	3.00
" (cocoa handle), extra large diamond	4.00



Mastica Machine



Putty Distributor

PUTTY BULBS

For distributing putty, mastica, and similar materials.

Price \$1.00

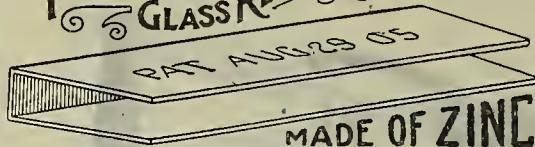
MASTICA

For glazing greenhouses, new or old. One gallon will cover about 300 running feet.

½ gallon	\$0.75
1 "	1.35
5 "	6.50

MASTICA MACHINE

For distributing mastica, etc. Made of zinc and will last a lifetime. \$1.25.

PEERLESS REPAIR CLAMP

MADE OF ZINC
TO MEND CRACKED GLASS IMMEDIATELY AND PERMANENTLY

GLASS CLAMPS

For supporting broken lights of glass.
Per box of 100 \$1.10

TWEMLOW'S PUTTY

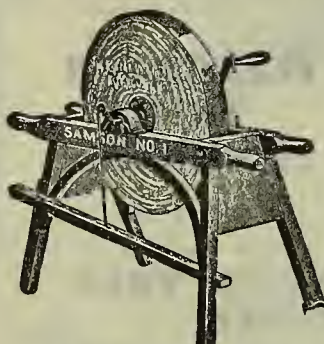
Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

PRICES

16-lb. can (1 gal.)	\$1.50
50 lbs. (3 gals.)	4.50
80 lbs. (5 gals.)	7.25

HAMMOND'S GREENHOUSE WHITE

A superior white paint. 1 gal., \$1.90.

GRINDSTONES

Cleveland Grindstone

No. 2 Cleveland, 22 inches diam., \$4.50.

No. 3 Cleveland, 19 inches diam., \$4.00.

Bi-Treadle, complete with seat and pedals, \$5.50.

The above prices do not include water cups.

MARATHON TOOL GRINDERS

The important point in hand grinding is the power, and from whence it comes. By a combination of cut spur gears and steel cut pinions arranged as we have in the "MARATHON,"

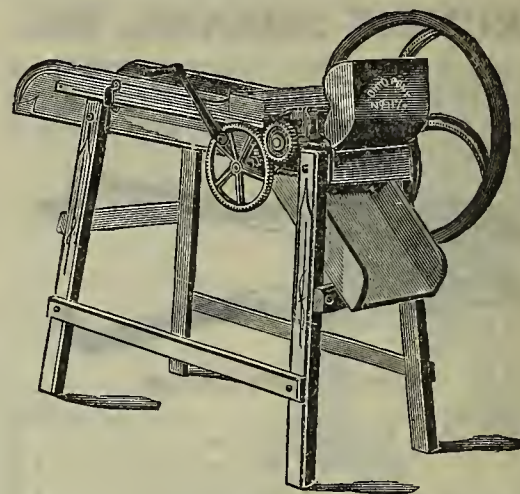
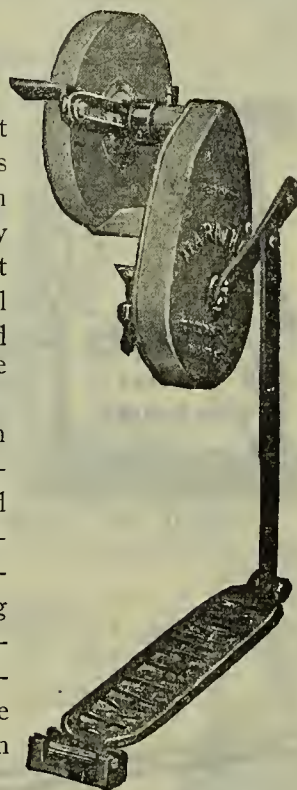
we obtain a very high speed (the stone travels over five thousand feet a minute) something unheard of before in hand grinding machines. This insures the quickest cutting results from the corundum stone with minimum wear.

No. 1, wheel ¾ x 5 inches.....	\$4.50
" 2, wheel 1 x 5 inches.....	5.50
" 3, wheel 1 x 6 inches.....	6.50
" 4, wheel 1 x 7 inches.....	7.50

If treadle is wanted, add \$1.50 to the above prices.

BULL DOG TOOL GRINDER

An excellent device, ball-bearing, with a high-speed carborundum wheel; just the thing for hatchets, axes, knives, etc. \$1.75 each.

**OHIO HAY AND FEED CUTTER**

This is considered the finest machine in the market for cutting hay, ensilage, etc.

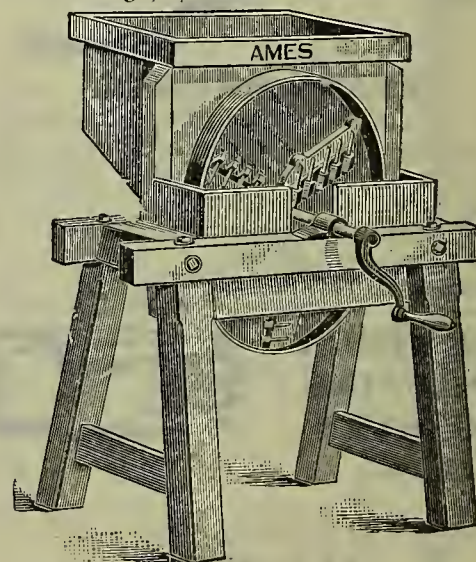
Single knife, \$12.50; double knife, \$18.00. Mann's Clover Cutter for poultry raisers' use. Plain, \$8.00; on stand, \$10.00.

**BANNER ROOT CUTTERS**

No. 7 (see cut), for poultry, sheep and lambs. \$5.00.

No. 16, for cattle, horses, etc. Has a large capacity and is equipped with a pulley for power purposes. \$12.00.

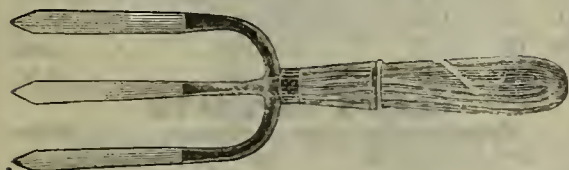
No. 20, like No. 16, but smaller, no pulley. \$9.00. No. 30, \$16.00.

**AMES ROOT CUTTER**

The knives are fastened on a revolving disc, and the roots come out in long thin strips. The hopper holds about 2 bu. of material. Nicely painted dark green. Price, \$12.00.

**LANG'S
HAND
WEEDER**HANDIEST
TOOL
ON EARTH.

Lang's Hand Weeder, 25 Cents



Eureka Weeding Fork, 25 Cents

ENGLISH WEEDING FORK

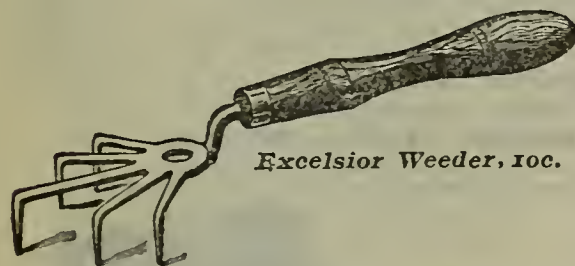
Very similar to the Eureka, except that it is heavier and of better quality. If you want a weeding fork that will last a lifetime, buy this one. Price, 85c.



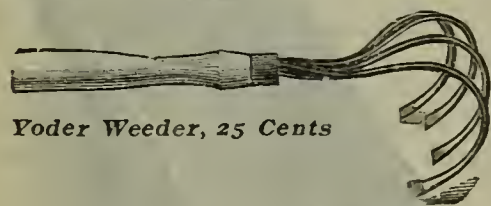
Excelsior Weeding Fork, 10 Cents



Eureka Weeder, 25 Cents



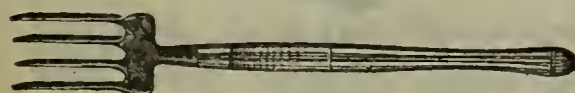
Excelsior Weeder, 10c.



Yoder Weeder, 25 Cents



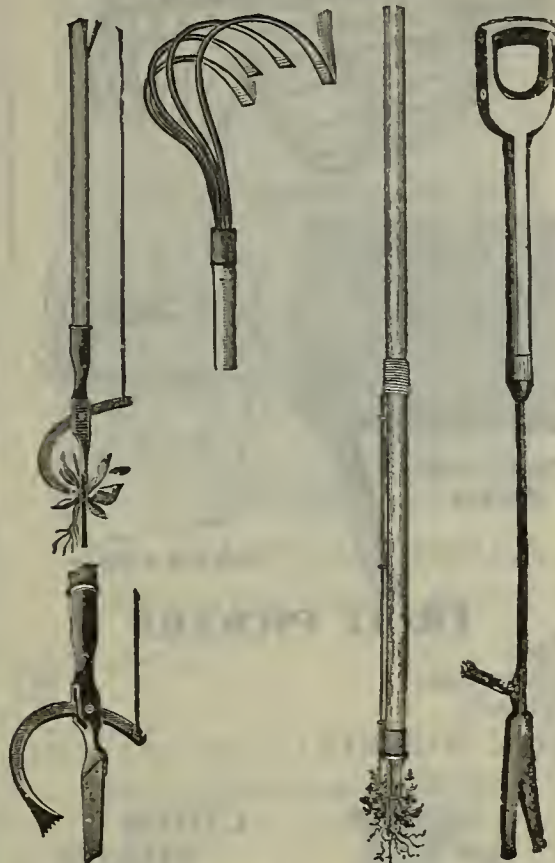
Hazeltine's Hand Weeder, 25 Cents



Long Handle English Steel Weeder, 50c

MEHLER HANDY HOE

A hoe, rake and edger, all in one; has been thoroughly tried and found successful. \$1.00 each.

WEEDERS, Etc.

No. 1

No. 2

No. 3

No. 4

No. 1 Cleveland Weed Puller\$0.60
No. 2 Yoder Long Handled Weeder .75
No. 3 Champion Weed Puller50
No. 4 Heavy Dock Lifter\$2.25

**IDEAL
DANDELION
EXTRACTOR**

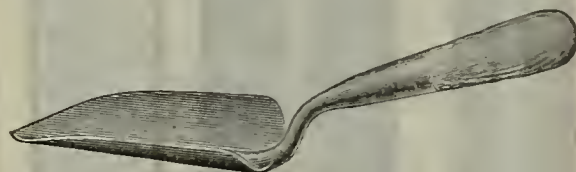
This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade of the best steel, equipped with a convenient handle, so that either man, woman or child can use it; 25c. each

**ALCA GARDEN TOOL**

This implement combines a trowel, a weeder and a dibble or planter, all in one. Interchangeable instantly. It is thoroughly made and represents unusual value. Just the thing for a city garden. 50c. each, postpaid 60c.

**JOHNSON STEEL TROWELS**

These are made of one piece steel blade and shank, equal to the imported trowels.
5 inch\$0.40 | 7 inch\$0.60
6 inch50 | 8 inch70

**STEEL SHANK TROWEL**

Many prefer these as they are somewhat longer in blade and handle, making a very practical tool. 6 in. blade. One of them will last a lifetime. 60c. each.

**CLEVES' ANGLE TROWEL**

For getting dandelion, plantain and other weeds out of the lawn, etc.

5 in. ..\$0.15 | 7 in. ..\$0.20 | 8 in. ..\$0.25

MISCELLANEOUS TROWELS

No. 213—5 in., Thin Steel, each.....\$0.10
No. 213—6 in., Thin Steel, each..... .12
No. 213—6 in., Heavy Steel (Never-break)15

**TRANSPLANTING
TROWEL**

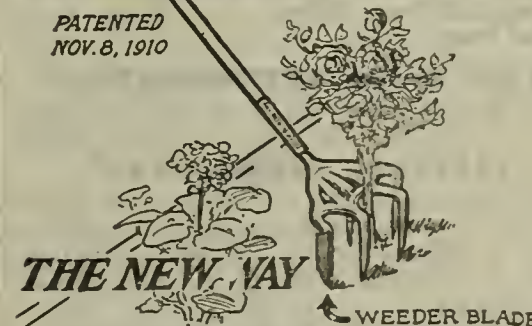
Solid steel shank and blade.
Price\$0.45

**LONG HANDLED ENGLISH TROWEL**

Just the thing that prevents kinks in the back. 40c. each.

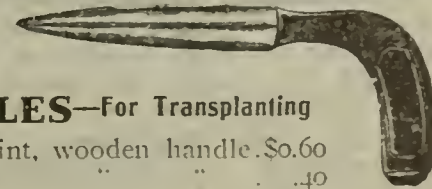
MEHLER GARDENER

An entirely distinct tool, avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used, just the thing for working among flower and vegetable plants. 75c. each.

PATENTED
NOV. 8, 1910

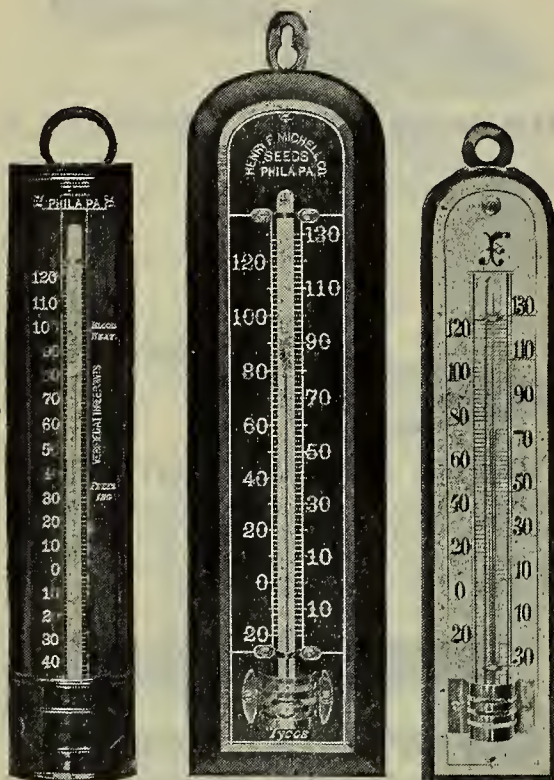
THE NEW WAY

WEEDER BLADE

**DIBBLES—For Transplanting**

Brass Point, wooden handle.\$0.60
Iron " " " .40

All prices subject to market changes

**THERMOMETERS****Maximum and Minimum**

Registering the coldest and the warmest point during the previous night.

8 inch, each \$2.50; 10 inch, each \$3.00.

Tested Thermometers

These thermometers are positively accurate and may be depended upon at all times. We can supply them in Mercury or Spirit Glass. State which is wanted in ordering.

	Each	Doz.
No. 5420B—8 inch, Tin Case..	\$0.50	\$5.50
No. 5420B—10 " " " ..	.65	7.25
No. 5420B—12 " " " ..	1.00	11.00
No. 5154—8 inch, Copper Case	.85	8.50
No. 5154—10 " " " ..	1.00	11.00
No. 5100—8 inch, Wood Back, Black Scale (see cut).....	1.25	14.00
No. 5100—10 inch, Wood Back, Black Scale.....	1.50	16.00
No. 5132—8 inch, Wood Back, Porcelain Scale (see cut)....	1.00	11.00
No. 5132—10 inch, Wood Back, Porcelain Scale.....	1.25	14.00

Standard Thermometers

White scale, tin case; very reliable.
8 inch, No. 5420W.. Each \$0.30 Doz. \$3.25
10 " No. 5420W.. " .40 " 4.25

MUSHROOM OR HOT BED THERMOMETERS

Galvanized Iron Point..... Each, \$1.00
Brass Point..... " 1.50

GLASS DAIRY THERMOMETERS

For testing milk, etc., can also be used for soil purposes. 25c. each; per doz., \$2.50.

ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point, absolutely reliable, all brass. Regular style, \$6.00; Waterproof style, \$11.00.

RECORDING THERMOMETERS

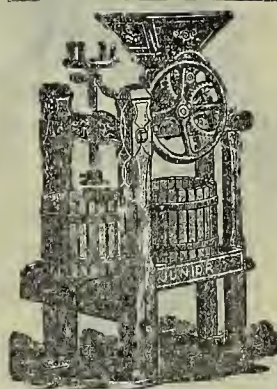
With weekly or daily charts showing the temperature for each minute of the day and night. No. 100, price \$22.00; No. 300 (extra quality), \$27.50.

We can supply **Incubator** and **Brooder Thermometers**, also **Hygrometers**, also any other style of Thermometer for Horticultural purposes.

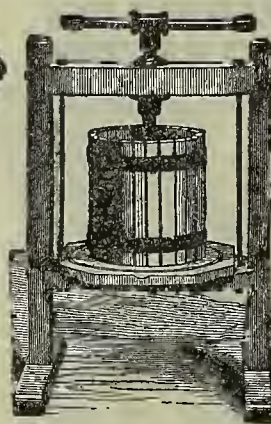
**The Boss Wire Fruit Picker****Up-to-Date
Picker****Crider Picker****FRUIT PICKERS**

Boss each, \$0.35
Up-to-Date " .25
Crider's " .25

OAK BASKETS for gathering fruit.
(See page 206.)

**Cider Mill****CIDER
MILLS**

Junior \$12.00
Medium ... 16.00
Senior 21.00
" for power 25.00
Little Boss. 10.00
Gem No. 0. 8.00
" No. 1. 10.00

**Wine Press****WINE
PRESSES**

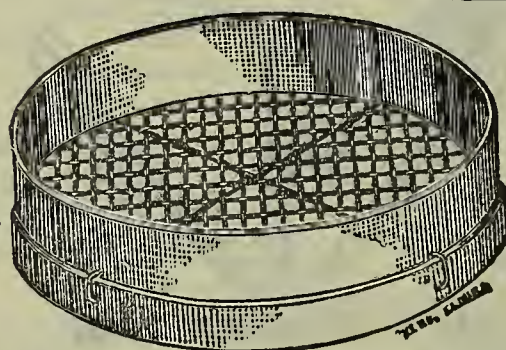
Made of best quality wood, carefully bolted and finished.

No. 1 \$4.00
No. 2 5.00
No. 2½ 5.75
No. 3 6.25

GRAPE GRINDER

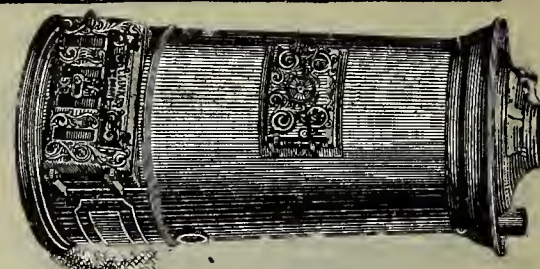
Suitable for crushing berries, grapes and similar soft fruit.

Price \$3.50

**SIEVES (ANY SIZE MESH)**

Made extra well, of galvanized wire and hard wood.

20 inch Foundry (extra heavy) . . . Each \$0.95
20 inch Regular wire85
18 inch Regular wire75
16 inch Regular wire65

**HOT WATER STOVES**

IDEAL, Jr. (See cut.)

	Direct Radiation	Capacity of Tank	Price
No. 0 ..	75 sq. ft.	100 gallons	\$18.00
No. 10 ..	150 " "	150 " "	27.25
No. 12 ..	175 " "	250 " "	34.00
No. 20 ..	225 " "	300 " "	38.00

CLAD'S IMPROVED

	Capacity of in. Pipe	Radiation	Price
No. 0	150 ft.	50 sq. ft.	.... \$10.50
No. 1	200 " "	75 " "	.... 13.25
No. 2	400 " "	150 " "	.... 20.00
No. 4	600 " "	300 " "	.... 26.00

Send for full descriptive list on hot water stoves; state which style.

CARRIAGE AND AUTOMOBILE HEATERS

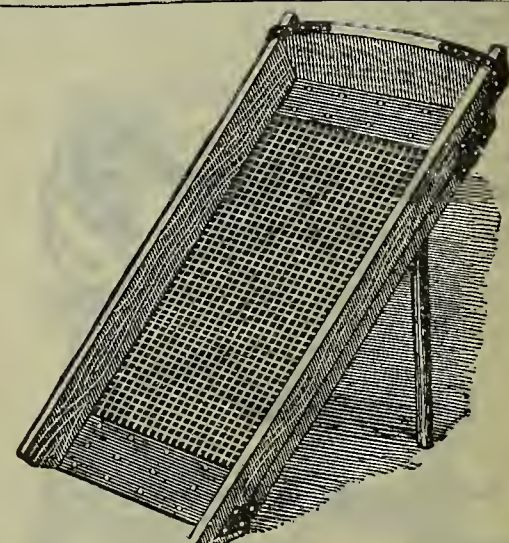
These heaters will keep the temperature above freezing in most, any ordinary closed vehicle during the severest weather.

No. 5. Single drawer, 14 in. long Each \$2.25
5B. " " " covered

with Brussels carpet 2.75
5C. Single Drawer, 14 in. long, covered with Velvet carpet 3.00
7B. 20 in., Brussels carpet 4.50
7C. 20 in., with Velvet carpet 5.00
10. Three drawers. (See cut.) 7.25

Coal for Auto Heaters. 75c. per doz. bricks; per 100, \$6.00.

Tongs for Handling Hot Coals. 25c. Illustrated circular on request.



Large Upright Sieve for soil, gravel, sand, etc. Made in any size mesh, of extra heavy foundry wire, \$8.00 each.

SOD CRUSHER AND SOIL PULVERIZER

These machines are equipped with a hopper, and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift.

No. 1, \$16.00 | No. 2, \$21.00 | No. 3, \$31.00



ROOFING PAPER, ETC.

	Sq. ft. per roll	Per roll
Celery Paper	500	1.15
\$5.25 for five rolls.		
Neponset Red Rope	500	5.50
" " "	250	2.75
" " "	100	1.25
Tar or Pitch, 2-ply	100	.80
" " 3-ply	100	1.10
Paroid, 1-ply	108	2.50
" 2-ply	108	3.25
" 3-ply	108	4.00
Caps for tar paper. 1 lb., 8c.; 5 lbs., 35c.		
Nails for tar paper. 1 lb., 8c.; 5 lbs., 35c.		

SUNDRIES

Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.; ¼ lb., \$1.00.

Carnation Staples (Wire). 60c. per 1000.

Charcoal, Lump. For use in potting. Pk., 25c.; bu., 75c.; bbl., \$1.75.

Glass Cleaner. \$1.10 gal.; 5 gals., \$5.00.

Grafting Wax. ¼ lb., 10c.; ½ lb., 15c.; 25c. lb.; 5 lbs., \$1.10.

Moss, Green Lump. Pk., 35c.; bu., 75c.; bbl. bag., \$1.75. Green Sheet: Pk., 50c.; bu., \$1.25; bbl. bag., \$3.50. Sphagnum (dry). Barrel size bales, \$1.00; pk., 20c.; bu., 50c.; 5 bbl. bales, \$2.50. Sphagnum (live). Pk., 25c.; bu., 85c.; bbl., \$1.75.

Pebbles. Per qt., 5c.; 30c. peck; bu., \$1.10; bbl., \$2.50.

Peat or Leaf Mould. Five barrels, \$6.25; pk., 25c.; bu., 75c.; \$1.50 bbl.

Peat in sacks. Ton, \$12.00. F. o. b. N. J.

Peat in car lots. Ton, \$6.00. F. o. b. N. J.

Peat, Orchid. Per barrel bag, \$2.00; pk., 30c.; bu., \$1.00.

Sand for propagating. Per qt., 5c.; pk., 20c.; bu., 70c.; bbl., \$1.75.

Shaderine. For shading greenhouse glass. 10-lb. cans, \$1.75; 30 lbs., \$4.50.

Soil for potting. Qt., 5c.; ½ pk., 15c.; pk., 20c.; bu., 70c.; bbl., \$1.75.

Tin Foil. 15c. per lb.; 70c. per 5 lbs.

Toothpicks. Plain, box, 7c.; 35c. for 6.

Toothpicks. Wired, 25c., 1000; 10,000, \$2.

Violet and Green Foil. 40c. lb.

Weed Killer. Fairmount. ½ gal., 75c.; \$1.25 gal.; 5 gals., \$6.00. Michell's: 45c. per qt.; ½ gal., 65c.; \$1.15 per gal.; 5 gals., \$5.00; \$9.50 for 10 gals.; 25 gals., \$20.00; \$37.50 for 50 gals. Herbicide: Gal., \$1.50; \$5.50 per 5 gals.; 10 gals., \$10.00.

Zementine. For whitewashing and shading. 2 lbs., 15c.; 10 lbs., 70c.



CUT FLOWER BOXES

CORRUGATED PAPER BOXES

	Each	Per Doz.
60 x 20 x 12 inch	\$0.60	\$6.50
42 x 14 x 8 " .....	.40	4.50
36 x 14 x 6 " .....	.35	3.50
24 x 8 x 5 " .....	.20	2.00

GREEN FELT PAPER BOXES

These are very attractively finished and add considerable to the appearance of the flowers in the box.

Size	Per Doz.	Per 100
20 x 5 x 3	\$0.45	\$2.85
23 x 5 x 4 .....	.65	4.50
30 x 5 x 4 .....	.75	5.00
23 x 7 x 4 .....	.70	4.75
15 x 6 x 5 .....	.65	4.50
24 x 8 x 5 .....	.90	6.50
28 x 8 x 5	1.15	8.00
36 x 8 x 5	1.50	10.00
36 x 5 x 4	1.15	8.00
30 x 12 x 6	1.75	12.00
36 x 12 x 6	2.50	18.50

LIGHT WEIGHT PAPER BOXES

Size	Per Doz.	Per 100
14 x 5 x 3	\$0.35	\$2.25
20 x 4 x 3 .....	.40	2.50
16 x 5 x 3 .....	.40	2.50
18 x 5 x 3 .....	.45	2.65
19 x 5 x 3 ¼ .....	.50	3.00
18 x 7 ½ x 3 ½ .....	.60	3.50
21 x 5 x 3 ¼ .....	.60	3.50
23 x 5 x 3 ½ .....	.65	3.75
21 x 7 x 3 ½ .....	.65	3.75
21 x 8 x 4 .....	.70	4.00
23 x 7 x 3 ½ .....	.70	4.00

HEAVY WEIGHT PAPER BOXES

Size	Per Doz.	Per 100
23 x 12 x 4	\$1.00	\$6.50
28 x 8 x 5	1.00	6.50
30 x 9 x 4	1.00	6.50
36 x 8 x 5	1.25	8.25
23 x 12 x 5	1.25	8.25
30 x 9 x 6	1.35	8.75
30 x 12 x 6	1.50	11.00
30 x 14 x 8	2.40	16.50
36 x 12 x 6	2.40	16.50

We can also supply other sizes of boxes.

VIOLET BOXES

Size	Per Doz.	Per 100
7 x 4 x 4	\$0.40	\$2.75
8 x 5 x 5 .....	.70	4.40
9 x 7 x 5 ½ .....	.80	5.50
10 ¼ x 6 ¼ x 4 ½ .....	.80	5.50
13 x 9 x 6	1.25	8.80

PAPER FOR FLOWERS

	Lb.	5 lbs.	Ream
Manilla. For wrapping. \$0.10	\$0.45	\$1.60	
" Tissue .....	.12	.55	1.00
Wax. White, 24 x 36 in. .30	1.25	2.50	
Wax. Green, 24 x 36 in. .35	1.50	3.00	



for Hot-beds and Cold-frames

Sunlight Glass Sash are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hotbed mats are unnecessary. 3 ft. wide, 6 ft. long.

Prices, f. o. b. Philadelphia:

Plain, Unglazed and Unpainted.....\$2.25
Glazed and Painted 4.50
Packing Glazed Sunlights, 25c. each extra.

HOT BED SASH

Made of best quality cypress. Size, 3 ft. 1½ in. wide, 6 feet long.

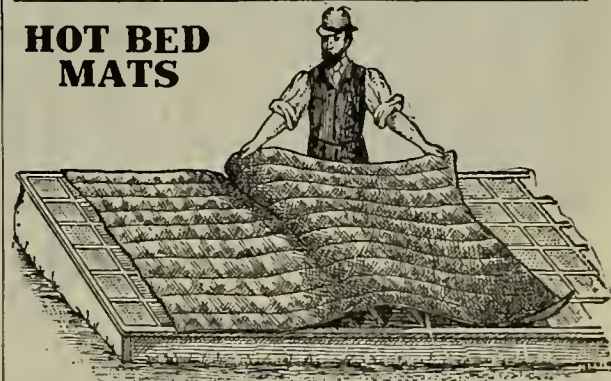
Plain, not glazed or painted. \$1.50 each; \$16.50 doz. (Painting only 25c. each extra.)
Glazed, painted, puttied glass. \$3.50 each; \$40.00 doz.

Packing charges on Glazed sash only, 10c. each; per doz., \$1.20 extra.

HOT BED SASH COVERS

Made of beaded boards, 3 x 6 ft., to fit the standard sash, painted lead color. Just the thing to place on top of mats on severe nights. \$3.00 each; doz., \$33.00.

HOT BED MATS



The Burlap, and Duck and Burlap are the best mats that it is possible to procure. Rats and mice do not harbor in them, and they are otherwise practically indestructible.

Burlap. 76 x 76 inches, covering two regular size sash. Each, \$1.50; doz., \$17.00.

Burlap. 40 x 76 inches, for one sash. Each, \$1.00; doz., \$11.00.

Duck and Burlap. This style is water-proofed on one side. 40 x 76 inches. Each, \$1.25; doz., \$14.00.

Duck and Burlap. 76 x 76 inches. Each, \$1.75; doz., \$20.00.

Duck and Burlap Mats. 76 inches wide, any length, at 30c. per running foot.

Plain Burlap Mats. 76 inches wide, any length, 26c. per running foot. Each Doz.

Straw Mats. 3 x 6 feet.....\$1.00 \$11.00
" " 6 x 6 feet..... 1.75 18.00

Special size Hot Bed mats, any of the above styles, to order.

All prices subject to market changes

GREEN TAPERING STAKES

	Each	Doz.	100
1½ feet tapering	\$0.02	\$0.17	\$1.00
2 " " .....	.03	.28	1.70
2½ " " .....	.04	.39	2.40
3 " " .....	.05	.51	3.20
3½ " " .....	.06	.63	4.00
4 " " .....	.07	.75	4.80
5 " " .....	.08	.88	5.60

**ROSE OR DAHLIA STAKES
ROUND TAPERING STYLE**

	Each	Doz.	100
3 feet	\$0.08	\$0.75	\$4.85
3½ " .....	.09	.88	5.68
4 " .....	.10	1.10	6.50
5 " .....	.12	1.25	8.15
6 " .....	.15	1.55	9.80

**GALVANIZED WIRE STAKES
No. 10 Wire, light**

	Doz.	100	1000
2 feet long	\$0.12	\$0.60	\$5.00
2½ " " .....	.15	.75	6.25
3 " " .....	.18	.90	7.75
3½ " " .....	.22	1.10	9.00
4 " " .....	.25	1.25	10.50
4½ " " .....	.30	1.35	12.00
5 " " .....	.35	1.50	13.00
6 " " .....	.40	1.75	14.25

No. 8 Wire, heavy

	Doz.	100	1000
4 feet long	\$0.30	\$1.70	\$14.00
4½ " " .....	.35	1.85	15.00
5 " " .....	.40	2.00	16.00
6 " " .....	.45	2.25	18.00

DOWELS OR STAKES

Length	Diam.	Doz.	100	1000
24 in.	3/8 in.	\$0.12	\$0.70	\$5.25
36 "	1/4 " ....	.15	.85	6.50
36 "	3/8 " ....	.15	.85	6.50
36 "	1/2 " ....	.15	.85	6.50
36 "	5/8 " ....	.15	.85	6.50
36 "	3/4 " ....	.20	1.25	9.00
42 "	1/2 " ....	.20	.95	7.50
42 "	3/4 " ....	.20	.95	7.50
42 "	1/2 " ....	.20	.95	7.50
42 "	3/4 " ....	.20	.95	7.50
42 "	5/8 " ....	.25	1.35	11.00

The above are plain stakes, if wanted dyed green add 5c. per doz.; 15c. per 100; per 1000, \$1.00 to the above prices.

CANE STAKES

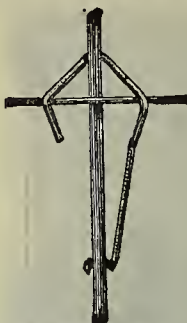
	Doz.	100	250	1000
Southern, 8 to 9 ft.	\$0.25	\$1.00	\$2.25	\$8.00
Japanese, 5 to 6 ft. ....	.25	1.00	2.25	8.00

GREEN CANE STAKES

These are treated with a coloring that is permanent, making a very attractive stake for all purposes where it is heavy enough. We have these in 3 foot lengths only. Price, 15c. per doz.; per 100, \$1.00; \$8.25 per 1000.

HYACINTH STAKES

	Doz.	100	1000
12 inches long	\$0.05	\$0.25	\$1.50
18 " " .....	.08	.40	2.00

**Corts Stake Fastener****Blake Lock Clip****STAKE FASTENERS**

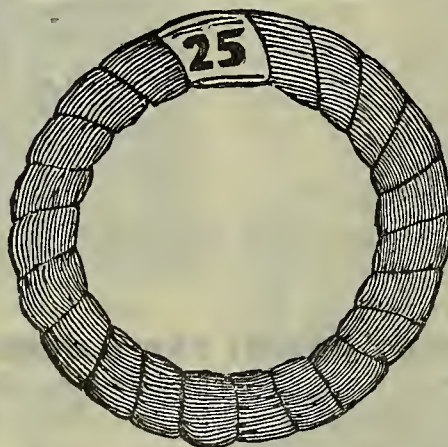
These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

	500	1000
Blakes. Lock Clips	\$0.85	\$1.60
Corts. Heavy	1.75	3.25
" Eureka	1.00	1.90

SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

	Each	Doz.	100
1½ feet	\$0.02	\$0.14	\$1.00
2 " .....	.02	.22	1.58
2½ " .....	.03	.31	2.25
3 " .....	.05	.50	3.60
3½ " .....	.06	.59	4.28
4 " .....	.07	.69	4.95
5 " .....	.09	.94	6.75
6 " .....	.12	1.19	8.55

**WIRE**

Price subject to change
GALVANIZED

	lb.	12 lb. Stone
No. 16	\$0.10	\$0.85
No. 18 .....	.11	1.00
No. 19 .....	.12	1.10
No. 20 .....	.13	1.15
No. 22 .....	.14	1.30
No. 24 .....	.15	1.50

ANNEALED

	lb.	12 lb. Stone
No. 16	\$0.08	\$0.70
No. 18 .....	.09	.80
No. 20 .....	.10	.85
No. 22 .....	.11	.90
No. 24 .....	.12	1.10
No. 19 Tinned .....	.11	.90

TINNED WIRE

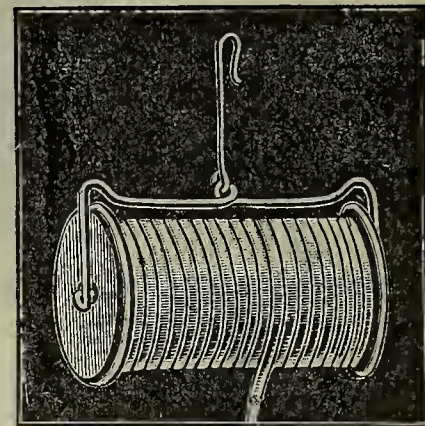
No. 19, 11c. lb.; per 12 lb. stone, 90c.
In 10-lb. boxes, cut 8½ inches, 15c. per lb.; per box, \$1.40.

CUT BOUQUET WIRE

For Funeral Work, Stemming Flowers, Etc.

Cut 9, 12 or 18 inches in length.

No. 20, 12c. per lb.; per box, 12 lbs.,	\$1.30
No. 22, 14c. per lb.; per box, 12 lbs.,	1.40
No. 24, 15c. per lb.; per box, 12 lbs.,	1.50

**RAFFIATAPE**

This article is made of a composition of paper and linen and is tremendously strong, it is about 1/8 inch wide and is put up in 250 yard bolts or hanks. This is also desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green.

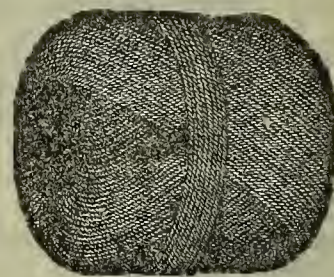
Per bolt of 250 yards, 75c.; 6 bolts, \$4.25; 12 bolts, \$8.00.

**RAFFEA**

For tying, basket making and fancy work, very long and fibrous.

Natural Color. Price, 20c. per lb.; 5 lbs. for 90c.

Colored. In all shades. 15c. per 1/4 lb.; 1 lb., 50c.; \$2.25 for 5 lbs.

**TWINES, ETC.**

	Ball	lb.
No. 12 Light Italian Twine ..	\$0.20	\$0.40
No. 18 Medium Italian Twine ..	.20	.40
No. 24, Heavy Italian Twine...	.20	.40
No. 36, Heavy Italian Twine...	.20	.35
2 ply, 3 ply and 5 ply Jute ....	.10	.20
Linen Bouquet .....	.08	.45
Boston Linen, 2 and 3 ply.....	.20	.35
Green Sea Island .....	.10	.45
Special Thin White Cotton ....	.08	.30
2 ply Texas White Cotton ....	.07	.30
Tarred, for Mat Making .....	.20	
Tarred Sisal for Fodder .....		.12
Binder (5-lb. ball) .....	.75	
Express, very heavy .....	.15	

Green Silkaline. For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse.

Price per spool, 25c.

Price per lb. (8 spools).....\$1.50

Green Linen (substitute for Silkaline), very similar to the above, fast color.

Price, 20c. per ball; 85c. per lb.



FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 150 running ft.
16 in. Less than 150 ft. roll, 12c. ft.
16 in. In Roll Lots, 150 ft., 10c. ft.
22 in. Less than 150 ft. roll, 14c. ft.
22 in. In roll lots, 150 ft., 12c. ft.

CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porches, verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 150 running feet.

13 in. wide. Less than 150 ft. rolls, 12c. per ft.
13 in. wide, in roll lots, 150 ft., 10c. per ft.

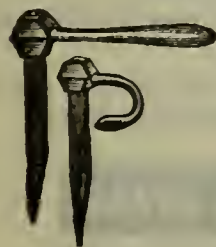
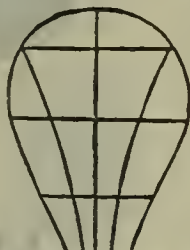
19 in. wide, less than 150 ft. rolls, 14c. per ft.
19 in. wide, in roll lots, 150 ft., 12c. per ft.



Continuous Trellis

WIRE TRELLIS

12 inch high \$0.20
18 inch high30
24 inch high40
30 inch high65
36 inch high75
42 inch. \$1.10 60 inch. 1.75
48 inch. 1.30 72 inch. 2.25



VINE OR WALL NAILS

For fastening climbing vines, equipped with a soft metal clasp which holds the vine against the wall.

1-in., doz. 15c., per 100 \$1.00; 1½-in., doz. 20c., per 100 \$1.25; 2-in., doz. 25c., per 100 \$1.50.

FAN TRELLIS

Made of wood, painted green.

18 inch \$0.15 36 inch \$0.50
24 inch20 42 inch60
30 inch25 48 inch70



WIRE TREE GUARD

Carefully galvanized, thoroughly made. 9 in. diam., \$1.00; doz., \$11.00.
12 in. diam., \$1.25; doz., \$13.00.

No. 4 IRON TREE GUARD

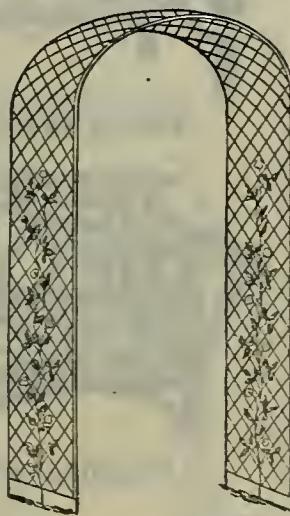
12 in. diameter, 6 ft. high. Price, \$2.50 each; per doz., \$25.00.



GALVANIZED WIRE ARCHES

These can be furnished on short notice any height or any width. Made of heavy diamond mesh wire with strong frames.

25c. per sq. foot. Special heavy wire work arches can be supplied at lowest prices.



VERANDA TRELLIS

Made of wood and painted green.

2 feet \$0.35 6 feet, heavy. \$1.00
3 feet45 8 feet, heavy. 1.35
4 feet60 10 feet, heavy. 1.60
5 feet, heavy. .85 12 feet, heavy. 2.00
Larger sizes to order.



IVY TRELLIS

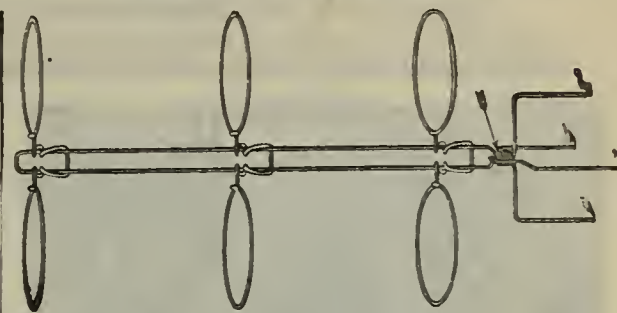
Made of wood, painted green.

16 in. diam., 45c.
20 in. diam., 60c.
24 in. diam., 75c.



OVAL TRELLIS

Made of wood, painted green.
24 inch 25c.



Müller Carnation Support

MÜLLER'S DOUBLE SUPPORT

One of the best on the market, easily put together. After the rings are detached it folds flat, thereby requiring very little storage room when putting away.

Per doz., 75c.; \$4.50 per 100; per 1000, \$42.00.

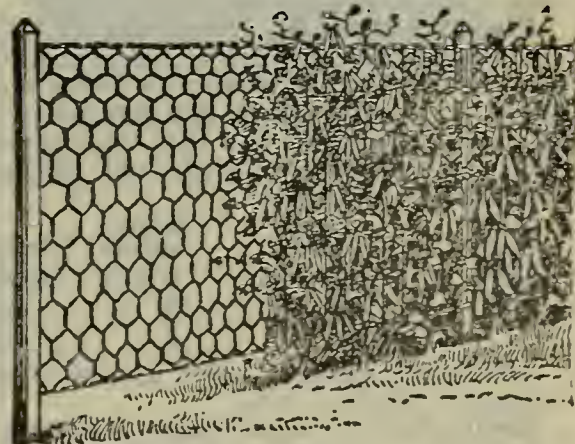
RICHMOND CARNATION SUPPORT

This is now the most popular support that there is, it can be put together in a minute, and is always satisfactory.

	Per Doz.	100	1000
No. II. 29 in., 3 ring double	\$0.65	\$4.50	\$42.50
No. II. 29 in., 3 ring Single	.50	3.50	32.00

"MODEL" CARNATION SUPPORTS

	Per Doz.	100	1000
2 Ring	\$0.45	\$3.00	\$27.50
3 Ring	.55	3.50	32.50



WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10 foot sections, with 3 suitable 5½ foot stakes for fastening in the ground; can be put away and used year after year. \$1.00 per section; 10 sections for \$8.50.



Model Tomato Support

TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire). Each 20c., doz. \$2.00, \$14.00 per 100.

Muller (Wire). Each 30c., doz. \$3.25, \$23.50 per 100.

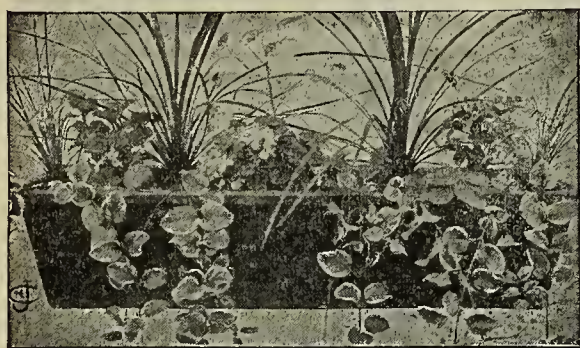
Perfection (Wood). Each 25c., doz. \$2.75, \$22.00 per 100.

WIRE TRELLIS (Made to Order)

We are able to have made, at short notice, special sizes of wire trellis, any length and any width, at 25c. per sq. ft.

204 Michell's Rustic Porch and Lawn Furniture, Etc.

All of our Rustic Work is made by thoroughly experienced men. It is carefully finished, leaving no rough places or nails protruding. A settee or chair placed at intervals on paths will be found a great convenience. The Rustic Work we offer is finished in the natural state with the bark on it, and not varnished.



PORCH AND WINDOW BOXES

Self-Watering Style (see cut). These are made of metal, finished bright green; the bottom is equipped with a reservoir which when filled is sufficient to keep the contents of the box watered for two weeks.

	Height	Width	Length	Price
No. 1.....	8"	9½"	23"	\$1.60
No. 5.....	8"	9½"	31"	2.20
No. 8.....	8"	9½"	37"	2.65

See also Page 223 for other styles.

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch.....	7½-inch	11-inch	\$1.40
30 ".....	7½ "	11 "	1.75
36 ".....	7½ "	11 "	2.10

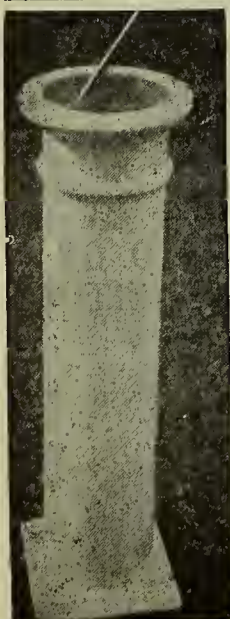
Any length made to order, 75c. per running foot, 11 inches wide.

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch.....	6½-inch	8-inch	\$0.80
30 ".....	6½ "	8 "	1.00
36 ".....	6½ "	8 "	1.20

Any length made to order, 45c. per running foot, 8 inches wide.

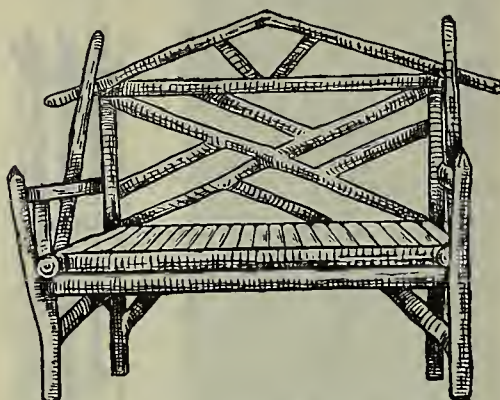
Rustic Bark (Natural Cedar). For covering boxes, columns or any other article. Per sq. ft., 5c.; \$1.00 per 25 sq. ft.; 50 sq. ft. and over, at 3½c. per sq. ft.



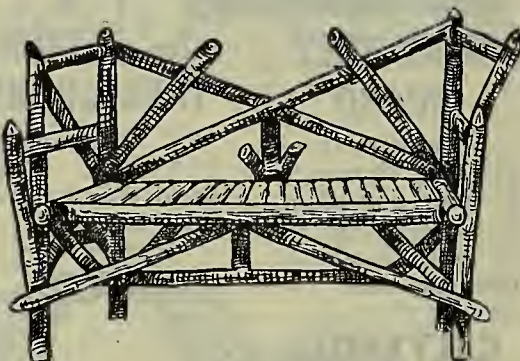
SUN DIAL

This ancient time teller is a part of every exclusive flower or vegetable garden, and indeed a very interesting one. It is made of cast iron with screw holes, so it may be fastened down to a pedestal or other foundation. The figures are raised, so that they may be easily renovated with paint or otherwise, when weather-beaten. Dial face is 8 ins. in diameter, bottom 10 ins. in diameter, finished in black, gilded figures; without pedestal, \$2.50.

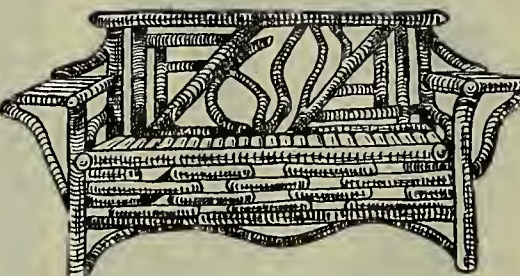
RUSTIC SETTEES



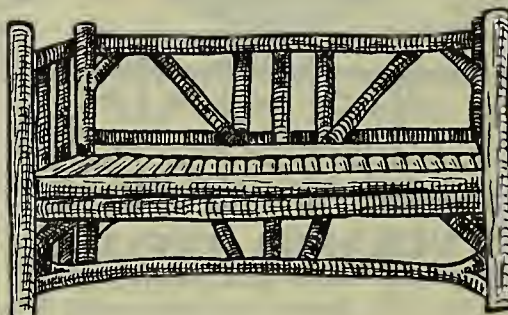
Elwood Style, \$3.00 each.



Florida Style, \$3.00 each.



Klondike Style, \$6.00.



Mission Style, \$6.00.

COLONIAL GARDEN SEATS

Made of wood and finished in a most exclusive manner. Sample carried on show room floor, stock is made up and furnished on demand, as required, promptly, and finished in any shade or tint. Price, \$1.75 per running foot. Any length desired. 19 ins. wide, with beveled edges.

RUSTIC HANGING BASKETS

These are made in attractive patterns, oblong design, finished natural oak and very rustic indeed. Will last many years.

8-inch oblong.....	\$1.50 each
10 " ".....	1.75 "
12 " ".....	2.00 "

RUSTIC CHAIRS, Etc.

These are made in style and finish similar to the settees.

Klondike Chair. Price, \$4.50.

Elwood " Price, \$2.75.

Mission " Price, \$4.50.

Mission Table. \$4.00.

WOODEN WREN BOX

These are very useful as well as ornamental, for putting on trees or fastening on buildings. Painted red and green, very attractive. 35c. each, 3 for \$1.00



See also 3d cover page for other bird boxes.



IRON GUARDS

For grass corners, flower beds, etc. Iron (see cut) nicely painted green, 75c. each; per doz., \$8.25.

WIRE GUARDS

Made extra heavy and well galvanized. Price, 20c. each; per doz., \$2.00.



LAWN SIGNS

Excellent for putting on grass plots where thoroughfare is not desired.

Iron Style (shown above), painted gray, trimmed red. 40c. each; per doz., \$4.00.



Enameled Iron Style. This pattern is the best for conspicuous places. The name plate is finished with blue and white enamel, is 20 inches long and about 4 inches wide. The rod or stake is substantial iron and the sign will last forever. \$1.00 each; per doz., \$10.00.



IRON PLANT STANDS STAR STYLE

Somewhat similar to the 'Superior,' excepting that they are not fitted with the tilting device, and are finished in black varnish.

Height	Each	Doz.
12 inches	...\$0.70	\$7.70
18 "	... .80	8.80
24 "	... .95	10.50
30 "	... 1.15	12.25
36 "	... 1.40	15.50
42 "	... 1.55	16.50

SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

Height	Size of Plates	Price Each	Per Doz.
12 inch	5 x 7	\$0.85	\$9.00
18 "	5 x 7	.95	10.00
18 "	8 x 10 1/2	1.05	11.75
24 "	8 x 10 1/2	1.15	13.00
24 "	8 x 12	1.25	14.25
30 "	8 x 10 1/2	1.35	14.75
30 "	8 x 12	1.45	15.75
36 "	8 x 10 1/2	1.55	15.75
36 "	8 x 12	1.65	16.75
42 "	8 x 10 1/2	1.75	16.75
42 "	8 x 12	1.80	18.00
48 "	8 x 12	1.85	19.50
60 "	8 x 12	1.95	20.75
72 "	8 x 12	2.05	22.00

EXTRA PLATES FOR IRON STANDS

For Superior		For Star Stands	
Each	Doz.	Each	Doz.
5 inch	...\$0.30 \$3.30	\$0.25	\$2.85
7 "	... .35 3.75	.40	4.40
8 "	... .50 5.50		
10 1/2 "	... .55 6.00	.50	5.50
12 "	... .65 7.00		

WIRE PLANT STANDS

These are nicely painted dark green and finished in bronze. They are very substantial and will carry most any weight that can be placed on them. We especially recommend the Jones style, as it is collapsible and takes up very little space when not in use.



PHILADELPHIA STYLE

	Square Style	Half Round Style
1 shelf	...\$2.25	
2 "	... 3.00	\$3.00
3 "	... 4.00	4.00

JONES' COLLAPSIBLE STYLE

2 shelf	...\$2.25	3 shelf	...\$3.25
---------	-----------	---------	-----------

RUBBER PLANT SPRINKLERS



Straight Neck.	
No. 1	...\$1.00
No. 2	... .90
No. 4	... .60
Angle Neck.	
Large	...\$1.00
Small	... .80

If wanted by mail, add 10c.

PAINTED POT LABELS



	100	500	1000
4 inch	...\$0.12	\$0.50	\$0.85
4 1/2 "	... .15	.60	1.00
5 "	... .20	.70	1.25
6 "	... .25	.85	1.50
8 "	... .40	1.85	3.50
10 "	... .50	2.40	4.50
12 "	... .75	3.25	6.00
18 " for field use	2.50		20.00

WOOD TREE LABELS, Etc.

	Per 100	Per 1000
Iron Wired. Plain	...\$0.15	\$1.00
Copper Wired. Plain	... .20	1.25
" Painted	... .25	1.50
Copper Sheet, wired	20c. doz.; 100, \$1.10.	
Zinc Sheet, wired	20c. doz.; 100, \$1.10.	
Indelible Marking Pencils	...each, 5c.	

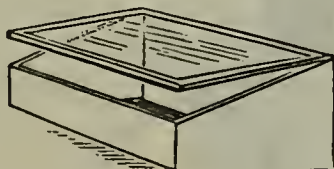
GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.

Iron Age Style No. 5.

These are made of heavy stamped metal, enameled black. The card is covered with a celluloid face, which protects it from the elements of the weather. The angle of this label is so arranged as to make it easily read from an erect position. The holder has a large capacity for cards, so that several years' records may be kept together. Price, 15c. each; per doz., \$1.75; \$13.00 per 100.

O. P. Style. These are somewhat similar to the above, except that they are a little lighter in make. They are equipped with a waterproof cardboard for writing, which would generally last the entire season. No celluloid face comes with these labels. 5c. each; per doz., 50c.; \$3.75 per 100.



MINIATURE HOTBEDS

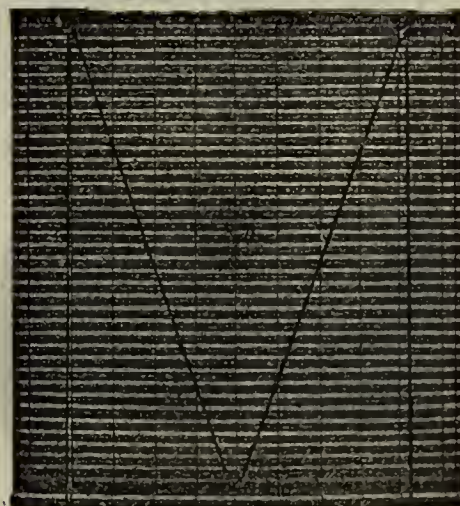
These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in. \$1.35 each. Complete with glass.

SHADING OR PROTECTING CLOTH



Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

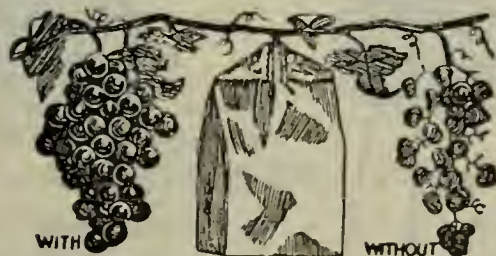
	Yds. Per Piece	Price Per Yd.	Price Per Pc.
Light. Brown cloth	60	\$0.06	\$3.30
Medium. Brown cloth	60	.10	5.40
" Green cloth	60	.12	6.60
Heavy. Brown cloth	40	.14	5.20
" Green cloth	40	.18	6.40



BAMBOO GREENHOUSE SHADES (Painted Green)

These are much more satisfactory than either the glass shading process or shading cloth. The shades last for years, being substantially made. They add materially to the appearance of the greenhouse. Each shade is equipped with pulley and rope. The shades are placed on the outside of the greenhouse, fastened at the top, so they can be rolled up or let down at will.

6 feet wide, 8 feet long	...\$3.00
8 " " 8 " "	... 3.50
10 " " 8 " "	... 4.00
10 " " 10 " "	... 4.50



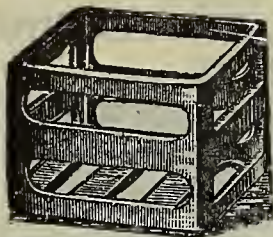
GRAPE PROTECTING BAGS

If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will save from insects, rot, etc. All ready with wire to fasten.

If desired by mail please add 15c. per 100 to the prices below.

	100	1000
2 lb. size	...\$0.30	\$2.75
3 lb. size	... .35	3.25
4 lb. size	... .40	3.75

All prices subject to market changes.



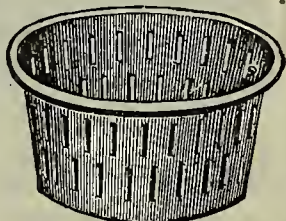
EARTHEN ORCHID BASKETS

Square	Each	Doz.
4 in.	\$0.15	\$1.35
6 " ....	.25	2.25
7 " ....	.30	3.00

ORCHID PANS

EARTHEN

	Each	Doz.
4 in. . . .	\$0.10	\$1.00
5 " . . .	.15	1.50
6 " . . .	.20	1.80
8 " . . .	.30	2.50
10 " . . .	.40	3.60
12 " . . .	.50	5.00



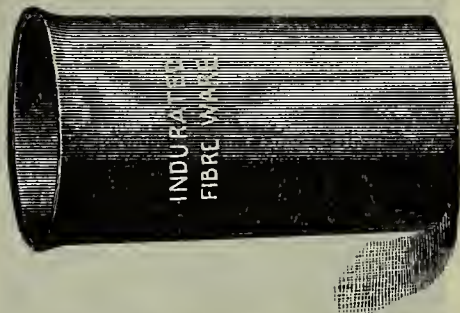
Orchid pan

CORK FOR ORCHIDS

In large clumps. 30c. per lb.; 10 lbs., \$2.50.

ORCHID PEAT

For use in orchid pans and baskets. 30c. per peck; bushel, \$1.00; \$2.00 per bbl. bag.



WOOD FIBRE FLOWER VASES

No.	Diam. inside	Depth inside	Each	Doz.
0	8 in.	13 in.	\$0.65	\$7.40
1	5½ "	10 "	.56	6.40
2	4½ "	9 "	.48	5.50
3	4 "	6 "	.41	4.60
4	3 "	4½ "	.32	3.60
00	9 "	21 "	2.45	28.00
11	5 "	18 "	.65	7.40
22	4½ "	15 "	.56	6.40
33	4 "	12 "	.48	5.50
44	3 "	9 "	.41	4.60
000	9 "	29 "	3.16	34.65

WIRE BASKETS

Complete with Hanger.

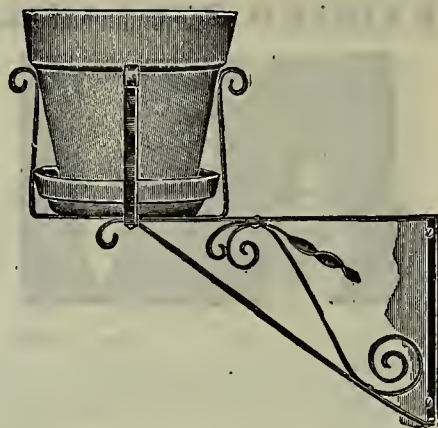
Extra Heavy Style (See cut.)

These are extra well made and will last many years.

No.	Diam.	Each	Doz.
5	9 in.	\$0.25	\$2.50
6	11 "	.30	3.00
7	14 "	.40	4.00

Light Style

	Each	Doz.
8 inch	\$0.15	\$1.50
10 inch	.20	2.00
12 inch	.25	2.50
14 inch	.35	3.50
16 inch	.45	4.50



JONES' POT BRACKET

No. 1—Holds 5-inch pot.	Each, 30c.; \$3.00 per doz.
No. 2—Holds 6-inch pot.	Each, 35c.; \$3.50 per doz.
No. 3—Holds 7-inch pot.	Each 40c.; \$4.00 per doz.

MAILING.—If Jones's Brackets are desired by mail, add 15c. to price of each bracket.

BRONZED POT BRACKETS

8310—Single small, 30c. each, per doz.	\$3.00.
8320—Single, medium. 40c. each, per doz.	\$4.00.
8340—Double, medium. 60c. each, per doz.	\$6.00.

IRON VASES

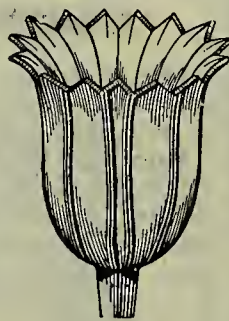
For holding cut flowers on cemetery lots and graves.

Painted Green

No.	Each	Doz.
3—Small	\$0.25	\$2.50
2—Medium	.35	3.75
1—Large	.45	4.50

Galvanized

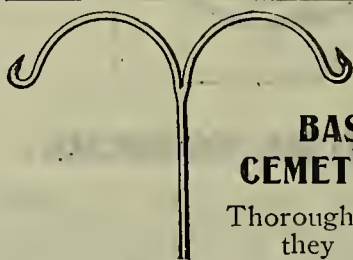
No.	Each	Doz.
3—Small	\$0.35	\$3.75
2—Medium	.50	5.00
1—Large	.65	6.75



ENAMELED CEMETERY VASES

Color rich green; made of tin and carefully enameled; will not burst in cold weather.

No.	Each	Doz.
1—Large	\$0.25	\$2.75
2—Small	.20	2.00



BASKET OR CEMETERY HOOKS

Thoroughly galvanized so they cannot rust.

Single, ⅝ inch thick, 40c.
Double, ⅞ inch thick, 80c.



Eureka Hanger

KRICK'S POT HANGERS

No.	Each	Doz.
No. 1. For 3 to 5-in. pots	\$0.03	\$0.30
No. 2. For 6 and 7-in pots	.04	.40
No. 3. For 8 to 10-in. pots	.05	.50

EUREKA POT HANGER

These are suitable for any size pot up to 8 inches, made of heavy galvanized wire, 15 inches long. 60c. per doz.; per 100, \$4.00.



ENGLISH GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, 60c.



OAK GARDEN BASKETS

For fruit and vegetable harvesting, strongly made. ½ bu., with drop handle, 50c. each.

1 bu. size, no handle, 75c.

½ bu. size, no handle, 45c.

SPLINT OR CHIP BASKETS

	With Handle	Without Handle
¼ bu. Per doz.,	\$0.65	\$0.60
½ bu. ....	.70	.65
¾ bu.	1.20	1.00
1 bu.	1.65	1.50

Strawberry Boxes. One qt. size, 15c. doz., per 100 75c., \$5.25 per 1000.



WOOD MEASURES

Cedar, Iron Bound

¼ to ½ peck	\$0.30
½ pk. to 1 pk.	.40
½ bushel	.70
1 bushel	1.25

All prices subject to market changes.

PLANT TUBS, FLOWER POTS, SAUCERS, Etc.

CEDAR TUBS

Equipped with Strong Iron Hoops

These are made by hand, of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.



Cedar Plant Tub

No.	Outside Diam.	Length of stave outside	Black Iron Hoop	Galv. Hoop
No. 0....	27 in.	24 in.	\$5.50	\$6.00
No. 1....	25 "	22 "	5.00	5.50
No. 2....	23 "	20 "	4.50	4.90
No. 3....	21 "	18 "	4.00	4.40
No. 4....	19½ "	16 "	3.00	3.35
No. 5....	18 "	14 "	2.75	3.10
No. 6....	16½ "	13 "	2.25	2.55
No. 7....	15 "	12 "	2.00	2.30
No. 8....	12 "	10 "	1.75	1.95

AZALEA POTS

Width	Height	Each	Doz.	100
5 in.	4½ in.	\$0.04	\$0.32	\$2.50
6 "	5 "	.06	.51	3.93
7 "	6 "	.09	.82	6.30
8 "	7 "	.12	1.14	8.82
9 "	7½ "	.16	1.56	12.00
10 "	8 "	.24	2.21	17.00

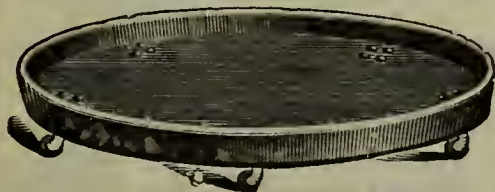
MICHELL'S KEYSTONE PLANT TUBS



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 10c. per pair. Specify when wanted that way.

No.	Inside Diam.	Depth	Each
6.....	11 inches	10 inches	\$0.70
7.....	12 "	11 "	.80
8.....	13 "	12 "	.90
9.....	14 "	13 "	1.00
10.....	15 "	14 "	1.25
11.....	16 "	15 "	1.35
12.....	17 "	16 "	1.50
13.....	18 "	17 "	1.75
14.....	19 "	18 "	2.00

ROLLING STANDS (Wood Fibre)



Will fit	Pot	Tub	Each	Doz.
12 inches.....	10 in.		\$0.58	\$6.60
14 "	12 "	No. 8	.68	7.80
16 "	14 "	" 8	.76	8.60
18 "	16 "	" 7-6	.95	10.80
20 "		" 5	1.15	13.20
22 "		" 4	1.44	16.50

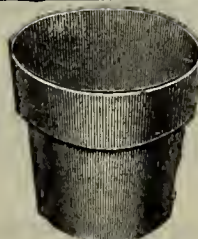


WOOD FIBRE PLANT TUBS

Complete, with saucers.			
	Green Enamelled	Mahogany Color	
10 inch . . .	each \$1.00	each \$0.68	
12 " . . .	1.21	.79	
14 " . . .	2.10	1.58	
18 " . . .	5.25	4.20	

EARTHEN FLOWER POTS

Our Earthen Flower Pot stock is very large. We carry a full line of sizes at all times.



Height and Width Inside	Each	Doz.	100	1000
2 inches....	\$0.01	\$0.07	\$0.50	\$3.96
2¼ " ....	.01	.08	.56	4.45
2½ " ....	.02	.09	.69	5.45
3 " ....	.02	.11	.88	6.93
3½ " ....	.02	.14	1.06	8.41
4 " ....	.02	.18	1.38	10.89
4¼ " ....	.03	.20	1.56	12.37
4½ " ....	.03	.24	1.88	14.85
5 " ....	.03	.32	2.50	19.80
5½ " ....	.05	.41	3.13	24.75
6 " ....	.05	.49	3.75	29.70
6½ " ....	.07	.62	4.80	44.00
7 " ....	.08	.78	6.00	55.00
8 " ....	.11	1.09	8.40	77.00
9 " ....	.16	1.56	12.00	110.00
10 " ....	.22	2.11	16.20	148.50
11 " ....	.29	2.81	21.60	
12 " ....	.40	3.90	30.00	
14 " ....	.80	7.80	60.00	
16 hand made	1.50	13.50		

PAPER FLOWER POTS

Size	Doz.	100	1000
2¼ inches.....	\$0.08	\$0.35	\$3.00
2½ " ....	.10	.40	3.25
3 " ....	.12	.55	4.50
3½ " ....	.18	.70	6.00
4 " ....	.20	.95	7.50
5 " ....	.25	1.40	12.50
6 " ....	.30	1.80	17.00

EARTHEN BULB PANS

These are fine for planting with bulbs of various kinds or for ferns and other compact plants.



Diam. Inside	Each	Doz.	100
6 inches.....	\$0.07	\$0.68	\$3.75
7 " ....	.08	.78	4.80
8 " ....	.10	.98	6.00
9 " ....	.15	1.30	8.40
10 " ....	.20	1.63	10.80
12 " ....	.25	2.28	15.00
14 " ....	.50	4.55	30.00
16 " ....	.90	7.80	60.00
18 "	1.25	11.70	90.00



Seed Pan

SEED PANS

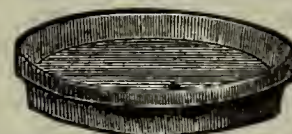
Inches	Each	Doz.
6 . . .	\$0.20	\$2.00
8 . . .	.25	2.50
10 . . .	.30	3.00
12 . . .	.40	3.50



WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof. Plants put on these can be stood on the finest covering or wood-work without damage; they are also unbreakable.

	Each	Doz.	100
4 inches	\$0.11	\$1.24	\$9.27
5 " .....	.13	1.44	10.80
6 " .....	.14	1.45	11.25
7 " .....	.15	1.62	12.15
8 " .....	.16	1.74	13.05
9 " .....	.17	1.92	14.40
10 " .....	.18	2.04	15.30
12 " .....	.21	2.40	18.00
14 " .....	.28	3.18	23.85
16 " .....	.49	5.52	41.40
18 " .....	.58	6.50	49.50



EARTHENWARE SAUCERS

	Each	Doz.	100
4 inches	\$0.02	\$0.15	\$1.12
5 " .....	.03	.18	1.40
6 " .....	.04	.24	1.88
7 " .....	.05	.31	2.40
8 " .....	.06	.47	3.60
9 " .....	.08	.62	4.80
10 " .....	.09	.78	6.00
11 " .....	.11	.94	7.20
12 " .....	.15	1.17	9.00
14 " .....	.25	1.95	15.00



Fern Liner



EARTHEN FERN PANS

These are suitable for putting into deep fern dishes.

Width	Height	Each	Doz.	100
4 in.	1⅞ in.	\$0.04	\$0.31	\$1.65
4¾ "	2⅞ "	.05	.33	2.20
5½ "	2¼ "	.06	.41	2.75
6¼ "	2½ "	.07	.49	3.30
7 "	2⅝ "	.09	.55	3.85
8 "	3⅞ "	.11	.79	5.50
9 "	3¼ "	.15	.95	6.60

FERN DISH LINERS

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1⅞ in.	\$0.12	\$1.00	\$6.00

208 POULTRY AND ANIMAL FOODS AND TONICS

ALL PRICES SUBJECT TO MARKET CHANGES

Alfalfa Hay (Cut). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.35 for 50 lbs.; 100 lbs., \$2.50.

Alfalfa Meal. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; \$1.35 per 50 lbs.; 100 lbs., \$2.50.

Animal Meal (Bowker's). 5 lbs., 20c.; 40c. per 10 lbs.; 75c. for 25 lbs.; 50 lbs., \$1.40; \$2.75 per 100 lbs.; 500 lbs., \$11.25.

Animal Regulator (Pratt's). 25c. and 50c. pkg.

Barley. Price, 10c. per quart. (Larger quantity, price on application.)

Bone (Coarse Ground). For feeding grown fowls. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$11.25 for 500 lbs.

Bone (Meal and Fine Grade). For feeding chicks and pullets and using in the mash. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; 50 lbs., \$1.50; 100 lbs., \$2.75.

Bran (Wheat). For mash, etc. 5 lbs., 20c.; 60c. per 25 lbs.; 100 lbs., \$2.00.

Broken Rice. 1 lb., 6c.; 30c. for 5 lbs.; 10 lbs., 55c.; \$1.25 for 25 lbs. (Price in large quantities on application.)

Buckwheat. Price, 10c. per quart. (Larger quantity, price on application.)

Cake Meal. 5 lbs., 25c.; 75c. per 25 lbs.; 100 lbs., \$2.50.

Calf Meal (Blatchford's). \$2.00 per 50 lbs.; 100 lbs., \$3.75.

Canada Peas. Price, 10c. per quart; per peck, 55c. (Prices on large quantities on application.)

Cat Food (Spratt's). Per carton, 25c.

Catnip Balls. 15c. each; doz., \$1.50.

Cattle Regulator (Pratt's). 5 lbs., 50c.; 75c. for 12 lbs.; 25 lbs., \$1.50; \$3.00 per 50 lbs.

Charcoal. Two grades, **fine** and **coarse**; state which you wish when ordering. Price: 1 lb., 7c.; 30c. for 5 lbs.; 10 lbs., 45c.; 75c. for 25 lbs.; per 100 lbs., \$2.50; \$10.00 for 500 lbs.

Chicgrain (Spratt's). Per carton, 25c.; 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.25.

Chick Food (Cypher's). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., 90c.; \$3.00 per 100 lbs.

Chick Food (Michell's). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 90c.; \$1.50 for 50 lbs.; \$2.75 per 100 lbs.; 500 lbs., \$12.50.

Chick Food (Park and Pollard). 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 80c.; \$1.50 per 50 lbs.; 100 lbs., \$2.75.

Chick Food (Pratt's). For newly hatched chicks. 1 lb., 10c.; 3 lbs., 25c.; 6½ lbs., 50c.; \$1.00 per 14 lbs.

Chick Manna. Price: 1 lb., 10c.; 5 lbs., 40c.; 15 lbs., \$1.10; 60-lb. case, in bulk, \$4.20.

Chick Meal (Spratt's No 5). 25c. per carton; 40c. per 5 lbs.; 10 lbs., 70c.; \$1.50 per 25 lbs.; 50 lbs., \$2.85; \$5.50 per 100 lbs.

Climax Condition Powder (Rust's). Price: 25c., 50c., \$1.00 and \$1.50 per package.

Condition Powder (Sheridan's). A natural stimulant and persuader for the hen. 25c. package; 2¼-lb. can, 75c.

Conkey's Laying Tonic. 25c. pkg.

Corn Meal (Special Process). 5 lbs., 20c.; 65c. 25 lbs.; 100 lbs., \$2.25.

Cow Kure. A tonic for cows and heifers. 50c. per can.

Cracked Corn. 4c. per lb.; 5 lbs., 15c.; 30c. for 10 lbs.; 50 lbs., \$1.10; \$2.00 per 100 lbs.

Crissell (Spratt's). 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$4.75 per 100 lbs.

Cut Clover Hay. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.25 for 50 lbs.; 100 lbs., \$2.00; 500 lbs., \$9.75.

Developing Food (Michell's). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$11.25 for 500 lbs.

Dog Cakes (Spratt's). 3-lb. pkg. 25c.; 6-lb. pkg., 50c.; 25-lb. box, \$1.85; 50-lb. box \$3.50; 100-lb. box \$6.50.

Dog Cakes (Maltoid Milkbone) 10c. and 25c. per carton; 10 lbs., 90c.; \$2.10 for 25 lbs.; 50 lbs., \$3.95; \$7.50 per 100 lbs.

Egg Food (Imperial). 26-oz. packages, 25c.; 50c. for 60 ozs.

Egg Maker and Chick Grower (Lee's). 2½ lbs., 25c.; \$2.00 per 25-lb. pail.

Egg Producer (Rust's). 1 lb., 25c.; 50c. for 2½ lbs.; 6 lbs., \$1.00.

Egg Salt (German). Price: 2-oz. box, 25c.; 50c. for 4 ozs.; ½ lb., 80c.; \$1.50 per lb.

English Salt Cat. Price: 10c. per brick; 60c. for 6; \$1.10 per doz.

Fairfield's Poultry Regulator. A general tonic and egg producer. Large size 50c.; small size 25c.

Gluten Meal. 5 lbs., 20c.; 75c. for 25 lbs.; 100 lbs., \$2.35.

Grit (Mica Crystal). Fine, medium and coarse. 5 lbs., 15c.; 40c. for 25 lbs.; 50 lbs., 60c.; 100 lbs., 85c.; \$3.50 per 500 lbs.; ½-ton \$6.50; \$12.00 per ton. (Special Price F.O.B. Factory.)

Grit (Red Cross Health). For pigeons. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 50c.; 90c. for 50 lbs.; 100 lbs., \$1.50; \$22.50 per ton.

Ground Oats. 5 lbs.; 20c.; 75c. for 25 lbs.; 100 lbs., \$2.35.

Growing Food (Park and Pollard). 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; \$1.35 per 50 lbs.; 100 lbs., \$2.50.

Hemp Seed. 12c. per quart; 50c. per peck; \$1.75 per bushel.

Henola Mash. A combination of balanced poultry foods. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$2.50 per 100 lbs.; 500 lbs., \$11.50.

Hen-e-Ta Bone Grits. No. 1 for chicks and young fowls. No. 3 for large or grown fowls. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$10.75 per 500 lbs.

Hulled Oats. 6c. per lb.; 25c. per 5 lbs. (Prices on larger lots on application.)

Kaffir Corn. 10c. qt. (Price on larger quantities on application.)

Linseed Meal. 10c. per lb.; 45c. per 5 lbs.; \$2.00 for 25 lbs.

Mash Food (Michell's). 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$11.00 per 500 lbs.

Mash Food (Park and Pollard). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.35 per 50 lbs.; 100 lbs., \$2.50.

Meat (Prepared). Price: 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 90c.; 50 lbs., \$1.75; 100 lbs., \$3.25; 500 lbs., \$15.75; half-ton, \$30.00; \$55.00 per ton.

Middlings. 5 lbs., 20c.; 75c. for 25 lbs.; 100 lbs., \$2.25.

Milk Albumen. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.50.

Millet (For Feeding). 10c. per quart; 4 quarts 25c.; 40c. per peck; per bushel, \$1.30.

Oats. For feeding poultry. 4 qts., 20c.; 30c., peck; bu., 90c.

Oat Meal (Pin Head). 5 lbs., 35c.; 65c. for 10 lbs.; 25 lbs., \$1.50; \$5.00 per 100 lbs.

Oyster Shell. 5 lbs., 10c.; 30c. for 25 lbs.; 50 lbs., 50c.; 75c. per 100 lbs.; 500 lbs., \$3.25; \$10.00 per ton.

Pheasant Meal (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$2.85 per 50 lbs.; 100 lbs., \$5.50.

Poultry Food (Spratt's No. 3). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$2.85 per 50 lbs.; \$5.50 per 100 lbs.

Poultry Powder (Barker's). A general condition powder for horses and cattle. Packages 25c.

Poultry or Scratch Food (Michell's). 5 lbs., 20c.; 40c. per 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$11.00 per 500 lbs.; 1000 lbs., \$21.00; \$41.00 per ton.

Poultry or Scratch Food (Park and Pollard). 5 lbs., 20c.; 40c. per 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25.

Pratt's Poultry Regulator. Price: 8-oz. packages 10c.; 26-oz. packages, 25c.; 50c. per 4-lb. package; 12 lbs., \$1.25; \$2.50 for 25 lbs.; 50 lbs., \$5.00; \$9.00 per 100 lbs.

Prepared Pigeon Food. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 90c.; \$1.25 per 50 lbs.; 100 lbs., \$2.50; \$11.75 per 500 lbs.

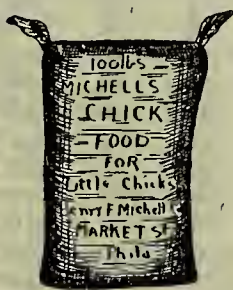
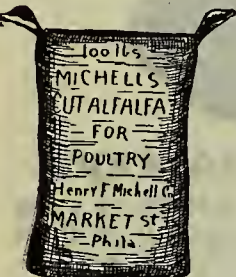
Puppy Cakes (Spratt's). 3-lb. pkg., 30c.; 6-lb. pkg., 60c.; 25-lb. box, \$2.00; 50-lb. box, \$3.65; 100-lb. box, \$7.00.

Puppy Cakes (Maltoid Milkbone) 10c. and 25c. per carton; 10 lbs., 90c.; \$2.25 per 25 lbs.; 50 lbs., \$4.25; \$8.00 per 100 lbs.

Scratch or Poultry Food (Spratt's). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., 75c.; \$1.40 per 50 lbs.; 100 lbs., \$2.75.

Sunflower Seed. 10c. qt.; 4 qts., 30c.; 55c. peck; bushel, \$1.75.

Wheat Screenings. 5 lbs., 20c.; 75c. per 25 lbs.; 100 lbs., \$2.25.



LOUSE POWDERS, CURES FOR POULTRY DISEASES, Etc.

LOUSE DESTROYERS, DISINFECTANTS, Etc.



Carbolineum. A poultry house disinfectant, louse and mite destroyer, excellent wood preservative in gal. cans only, \$1.25 per gallon.

Death to Lice (Lambert's). 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.

Death to Lice Ointment. 1 oz., 10c.; 25c. per 3-oz. size.

Death to Lice (Special). 4 ozs., 10c.; 25c. per 16-oz. size.

Dog Soap (Spratt's). 25c. per cake postpaid (or 20c. over the counter).

Dog Wash (Rigler's). For mange, etc. 25c. per bottle.

Electric Poultry Bath. A preparation which is mixed with sifted ashes, sand or whatever is used for poultry dusting or bathing. The most natural way for destroying lice; the fowl does the work. Small size, 25c.; \$1.00 per large bag.

Lice Killer (Lee's). Liquid. Qt., 35c.; ½ gal., 60c.; gal., \$1.00; 5 gals., \$4.00.

Lice Killer (Pratt's). Liquid. Qt., 35c.; ½ gal., 60c.; gal., \$1.00.

Louse Powder (Lee's). 1¼-lb. size, 25c.; \$2.75 per doz. pkgs.

Louse Powder (Michell's). 25c. per carton; \$2.50 per doz.

Louse Powder (Pratt's). 5 ozs., 10c.; 25c. lb.; 2½ lbs., 50c.

Louse Powder (Schild's Lightning). 25c. pkg.

Conkey's Louse Powder. Per large box, 25c.; \$2.75 per doz.

Oil of Tar. Qt., 40c.; 65c. per ½ gal.; 1 gal., \$1.00.

Persian Insect Powder. ¼ lb., 15c.; 25c. ½ lb.; lb., 45c.

Rat Corn. For killing rats and mice without poisoning any other animal or bird. 15c., 25c., 50c., \$1.00 per box.

Sulphur Candles. Small, 10c.; \$1.00 doz.; large, 20c.; doz., \$2.00.

Thymo-Cresol (Sheep Dip). 4 ozs., 25c.; 8 ozs., 40c.; qt., 70c.; \$1.10 ½ gal.; gal., \$2.00.

Tobacco Dust. Lb., 10c.; 25c. for 5 lbs.; 25 lbs., \$1.00.

Zenoleum (Liquid). ½ pt., 25c.; 50c. qt.; ½ gal., 90c.; \$1.50 gal.; \$6.25 per 5 gals.

Zenoleum (Powder). 25c. per large package.

POULTRY AND DOG
REMEDIES

Conkey's Chicken Pox Remedy. 25c. per box.

Diarrhoea Cure (Conkey's). Valuable for chicks. 25c. and 50c. per box.

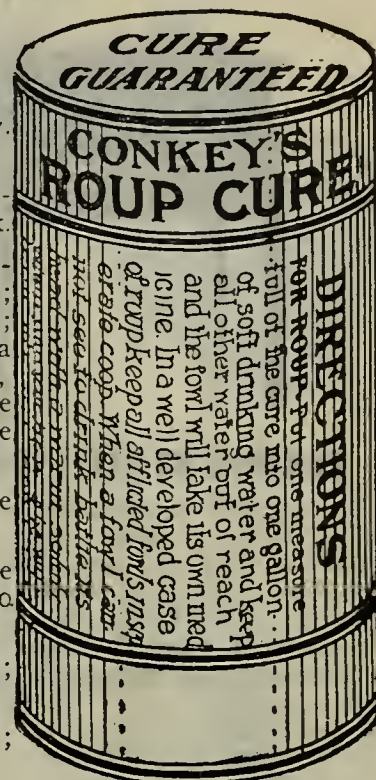
Dog Medicines (Spratt's). Alterative Cooling Tablets, 50c. per box; Diarrhoea and Dysentery Cure, 50c.; Distemper Tablets, 75c.; Eczema Cure, 50c.; Locurium Ointment, 50c.; Mange Cure, 50c.; Purgative Tablets, 50c.; Puppy Vermifuge Tablets, 50c.

Fairfield's Roup Cure. Per bottle 25c.

Germathol (Pratt's). A germicide and disinfectant. 25c., 50c., \$1.50 per bottle.

Gape Cure (Madoc). ½ lb., 20c.; 35c. per lb.

Gape Extractors. Hallowell, 10c.; Pilling's, 25c.



Germozone (Lee's). Tablets or liquid, 50c.

Multum in Parvo. For cholera, roup, etc. Small pkg., 20c.; 35c. per large pkg.

Noxide (Conkey's). For various poultry diseases. A germicide as well as a preventative of poultry ailments. Per pt., 35c.; 60c. per qt.; per gal., \$1.50.

Roup Cure (Conkey's). Small, 25c.; medium size, 50c.; large, \$1.00.

Roup Cure (F. P. C.). ½ lb., 20c.; 40c. lb.

Roup Pills (Rust's). 50 for 25c.; 112 for 50c.

Roup Syringe. 10c., postpaid.



"OCULUM"

Oculation for fowls is a new discovery; it provides one of the best methods of fighting cholera, roup, diarrhea, etc. Besides being a cure for any of the above-named diseases, it also acts as a preventative against future attacks of the same or other diseases, as it practically renders the fowl immune. May be used on chicks and grown fowls with equal success. It acts like magic, the curative effects being noticeable in a few hours. It is absolutely guaranteed to do the work or money refunded.

50c. and \$1.00 per bottle (postpaid). This price includes a glass syringe for injecting.

HEADQUARTERS FOR RECLEANED BIRD SEEDS, Etc.

It pays immensely to buy bird seed from us because it is always fresh; put up every week. We buy the best and then reclean it carefully to remove all impurities. Users will find it the highest grade they ever have had.

	Qt.	4 Qts.	Peck	Bush.
Ants Eggs.....	\$0.50			
Canary, plain Sicily	.20	\$0.65	\$1.20	\$4.75
" Mixed...	.18	.60	1.15	4.50
Hemp Seed.....	.12	.35	.50	1.75
Millet Seed (Imported) .....	.10	.25	.40	1.30
Parrot Food (Spratt's).	10c. pkg.	\$1.00 doz.		
Rape Seed (German)	Qt. 4 Qts.	Peck Bush.		
	.15	.50	.90	3.50
Sunflower Seed..	.10	.30	.55	1.75
Unhulled Rice...	.20	.60	1.10	3.50
Bird Manna. Keeps Canary Birds in prime condition. Pkg.,	15c.			
Cuttle Fish Bone.	3c. each; 50c. per lb.			

Lettuce Seed. 5c. per oz.; 10c. per ¼ lb.; per lb., 20c.

Maw Seed. ¼ lb., 7c.; 20c. lb.; 5 lbs., 80c.

Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 10c. per bottle; per doz., \$1.00.

Vetches or Tares for Pigeon Feeding. 10 lbs., 60c.; \$1.25 per 25 lbs.; 100 lbs., \$4.75.

SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 10c. per qt.; 4 qts., 30c.; 55c. per peck; per bushel, \$1.75.



Parrot Seed



Canary Seed

INCUBATORS, BROODERS, ETC.



PRAIRIE STATE INCUBATORS

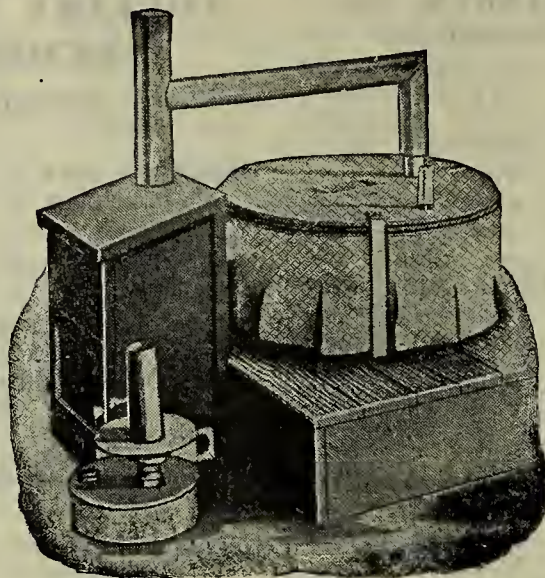
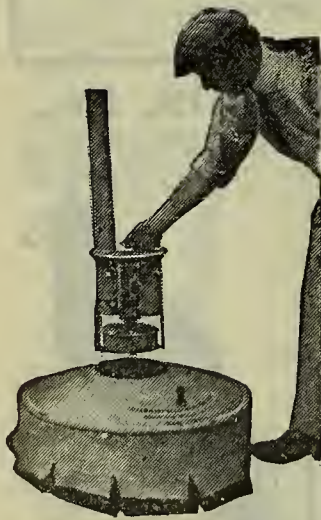
To meet the demand for Incubators, with and without Nursery Trays, the Prairie State Company are now making two styles. The Series A is the Sand Tray Type with Nursery Attachment; the Series B is the type without Nursery Attachment, and has an increased egg capacity. The latter have been much called for by poultrymen. In the Series B eliminating the nursery enables the strip space, which heretofore has been left blank in the tray, to be utilized. If the strip or flop-over tray is used in the Series B it reduces the egg capacity about 10 per cent. We will have both styles on our showroom floor and will be glad to demonstrate them. Capacity of Series B given below is based on using a plain blank tray.

The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

No.	Hen Egg Capacity	Duck Egg Capacity	Price
o Diffusive style.....	100	75	\$18.00
Series A, No. 1	150	115	22.50
Series A, No. 2	240	200	32.00
Series A, No. 3	390	300	38.00
Series B, No. 1	200	160	27.00
Series B, No. 2	300	240	35.00
Series B, No. 3	400	320	40.00
o Keystone style.....	50	40	9.00
1 " "	100	75	12.00

INTERNATIONAL SANITARY HOVER

It can be transported with ease from place to place. It is metal throughout, and is therefore vermin-proof as well as fire-proof. Unlike the wooden hover, it will not absorb dirt and hold it. It cannot be burned nor broken and cannot warp and fall apart. It provides overhead heat so chicks cannot crowd. Provides nearly 200 square inches more hovering space than any other hover made. It will not only raise more chicks than any other Brooding device, but will raise also the winter supply of sprouted oats. Price, \$8.50.



THE UNIVERSAL HOVER

The name implies correctly what the Hover is. It can be attached to any old box, piano case or a brooder you may be using at the present time. Just the thing for one who wants the least expensive but at the same time most efficient brooding device. For equipping large or commercial poultry plants these will be found invaluable.

Universal Hover. With lamp box, complete without regulator, \$7.00. Without lamp box, complete without regulator, \$6.00.

Brooder Regulator. This attachment can be put on the Hover at any time, it can be set to automatically regulate the temperature of the Hover to any desired degree. Price, \$1.00 extra (not mailable).

PRAIRIE STATE BROODERS

With a portable colony brooder the location of a colony may be changed at pleasure. When the soil becomes worn out or the grass in the run well eaten down, if the location proves unhealthful or has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings at almost no expense aside from the labor involved. Prairie State Colony Brooders are all equipped with the famous Universal Hover.

These Combination Brooders are shipped knocked down to save freight. They are put together with screws and hooks, and are easily and quickly assembled.

No. 1—3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator)\$20.00

No. 2—2½ feet wide, 5 feet long, 2½ feet high in front, 20 inches high in back (without heat regulator) 16.00

No. 3—27 inches wide, 4 feet high, 28 inches high in front, 19 inches high in back (without heat regulator).. 12.00

Heat Regulator Attachment \$1.00 extra. (Not mailable.)



LIVE CHICK SHIPPING BOX

Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.

Capacity	Size	Each	Doz.	100
25 Chicks..	12 x 6 x 5..	\$0.12	\$1.35	\$10.00
50 Chicks..	12 x 12 x 5..	.20	1.85	13.50
100 Chicks..	24 x 12 x 5..	.30	3.35	22.50



THE EYRIE SHIPPING COOP

Made of corrugated paper, will carry any distance, saves expressage and always delivers the contents in good shape. Shipped knocked down, and takes up very little space in stock-room.

Letter	Size	Each	Doz.	100
A.....	12 x 16 x 18 in.	\$0.35	\$3.75	\$29.00
B.....	12 x 18 x 22 in.	.40	4.25	32.50
C.....	12 x 22 x 22 in.	.45	4.50	35.00
D.....	20 x 22 x 22 in.	.55	6.00	47.50
E.....	20 x 24 x 24 in.	.65	6.50	52.00

EMPIRE SHIPPING COOPS

This is an entirely wooden coop, used for shipping exhibition birds. They are carefully made and will last many trips, carrying the contents safely. Shipped knocked down.

Style	High	Wide	Long	Each	Doz.
Single Bird	Size 25	12	22	\$0.80	\$9.00
Trio	" " 25	18	22	.95	10.00
Pen	" " 25	22	22	1.10	11.00

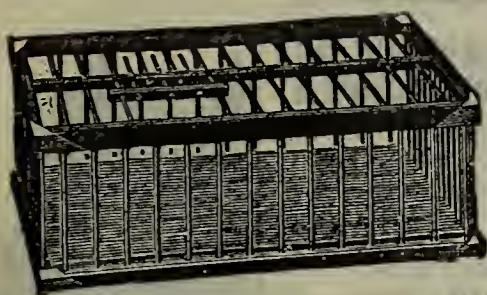
EMPIRE EXHIBITION COOPS

For training and conditioning show birds, as well as for using to exhibit them. These are carefully and substantially made and will materially aid any bird in winning on account of the way they show them off.

Style	Hght.	Wdth.	Lgth.	Price
AA (for 1 or 2 birds)	27	24	24	\$3.50
C (2 compartments)	.. 27	24	48	5.00
A (3 " ")	.. 27	24	66	6.00
G (4 " ")	.. 27	24	88	7.75

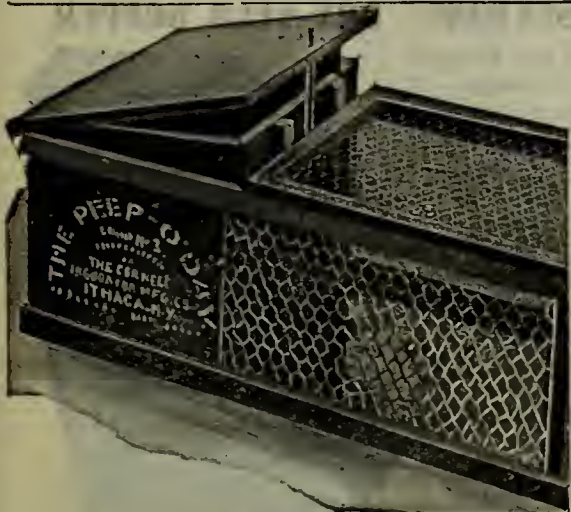
Ask for a Complete Catalog on the Prairie State Line of Brooders, Incubators, Etc.

POULTRY SUPPLIES



THE KEYSTONE SHIPPING CRATE

Is made of strong but light wood, securely braced at every joint with patent strap iron, while each corner is secured with a turned strap iron from top to bottom. Weight, about 15 lbs. Hen and Duck size, \$1.25 each; \$13.00 per doz. Turkey size, \$1.75 each; doz., \$18.00.



WIGWARM BROOD COOPS

These coops are designed as a suitable place for a hen with a brood of young chicks. They have a removable wooden floor, which insures dryness. The opening of the coop can be closed at night to prevent animals outside getting in.

No. 1 Size, \$3.00 each; 6 for \$17.50; 12 for \$34.00. (Special price f. o. b. factory.) Large Size, \$3.25 each; 6 for \$19.00.



EYRIE EGG BOXES

1 setting, each, 15c.; \$1.50 per doz.; per 100, \$10.00.

2 settings, each, 20c.; \$2.00 per doz.; per 100, \$15.00.

ANDERSON EGG BOXES

These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle.

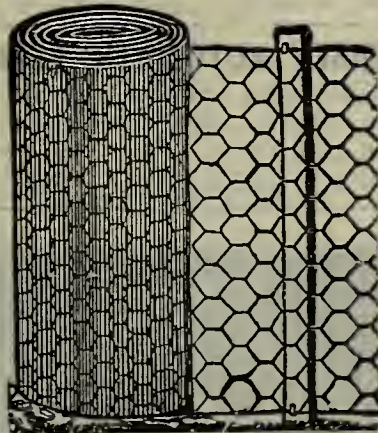
	Each	Doz.	100
One setting	\$0.12	\$1.25	\$9.00
Two " .....	.20	2.00	14.00
50 egg size .....	.30	3.00	22.00
100 " .....	.50	4.75	33.00

We can also supply Safety, Otseltic, Humpty-Dumpty, Perfection and Paper Egg boxes, also revolving Egg Cabinets.



REGAL EGG BOX

The Regal Egg Box is the strongest paper egg-shipping box made. You can jump on it, drop it or abuse it in every way you choose. Each Doz. Per 25 Per 50 Per 100
1 setting size...\$0.20 \$2.25 \$4.50 \$8.75 \$17.00
2 setting size... .35 4.00 8.25 15.00 29.00

WIRE
NETTING

No. 19, galvanized, two-inch mesh, 150 running feet per bale.

Width	Per bale	Width	Per bale
12 inches	\$0.90	42 inches	\$2.85
18 "	1.25	48 "	3.15
24 "	1.65	60 "	4.00
30 "	2.00	72 "	4.50
36 "	2.40		

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width	Per bale	Width	Per bale
12 inches	\$1.80	42 inches	\$5.50
18 "	2.60	48 "	6.50
24 "	3.40	60 "	8.00
30 "	4.20	72 "	9.50
36 "	5.00		

Staples, 3/4 inch, for fastening netting, 10c. per lb., 10 lbs. for 85c.

CUT WIRE NETTING

2-in mesh, under 100 sq. ft., 1c. per sq. ft.; 2-in. mesh, 100 sq. ft. and over, 3/4c. per sq. ft.; 1-in. mesh under 100 sq. ft., 2c. per sq. ft.; 1-in. mesh, 100 sq. ft. and over, 1 1/2c. per sq. ft.

PITTSBURG FENCING

The most substantial fencing possible to procure. The joints being welded by electricity, make it exceedingly attractive. It is thoroughly galvanized, extra well made and is the up-to-date fencing for poultry yards, etc. Price for regular style, with top and bottom strands of No. 11 wire; centre of No. 14 wire, in bale lots only, of 165 running feet. Per Bale
24 in. high.....\$3.25
36 in. high..... 4.10
46 in. high..... 4.60
52 in. high.....\$4.85
58 in. high..... 5.15

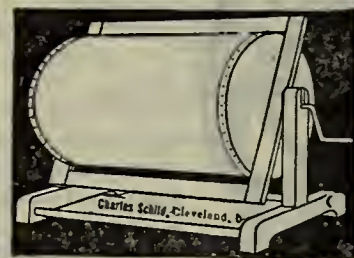
FARMERS'
FEED COOKER

Poultry must have warm food if you expect them to lay in winter when eggs are high.

Prices are for the Cooker complete, for burning wood, one length of 6-in. stove pipe and damper and one 6-in. elbow. Coal grate and lining \$3.50 additional.



No.	Cap. Gals.	Size Boiler	Length Fire Box	
1	25	22 x 22 x 12	24 in.	\$10.00
2	30	22 x 24 x 13 1/2	24 in.	10.50
3	40	22 x 30 x 14	30 in.	12.00
4	50	22 x 36 x 15	36 in.	13.00
5	75	22 x 48 x 17	48 in.	15.00
6	100	22 x 60 x 17	60 in.	17.00



POULTRY DUSTER

These are excellent for ridding fowls of lice. Put a number of them in machine at one time, and a few turns does the work with the aid of a lice powder.

No. 1. Small size	\$2.50
" 2. Medium size	3.00
" 3. Large size	4.00

Lightning Louse Powder for using in these machines, 25c. pkg.



WOVEN CEDAR PICKET FENCING

Is tailor-made compared to the ordinary kinds of ready made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. In handy rolls of 50, 75 and 100 ft. only:

3 ft. high, with 4 gal. steel double wire cables, 6c. per running foot.

4 ft. high, with 5 gal. steel double wire cables, 7 1/2c. per running foot.

5 ft. high, with 6 gal. steel double wire cables, 10c. per running foot.

State height and length of roll required when ordering.

POTTER HENNER Y OUTFIT

These equipments combine a practical roost and nesting system. They are made in a wide variety of styles and sizes. We will be pleased to send a catalogue on these to anyone interested.

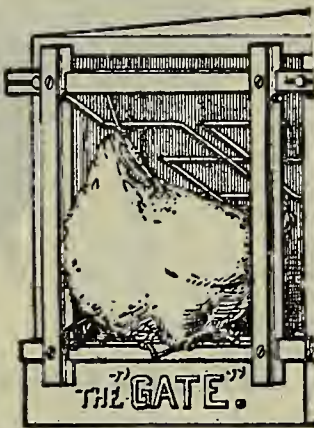
POULTRY SUPPLIES

THE GATE TRAP NEST FRONT

A trap nest, worked by the hen, arresting it every time; of simple construction, cannot get out of order, must last a lifetime and will never frighten a hen.

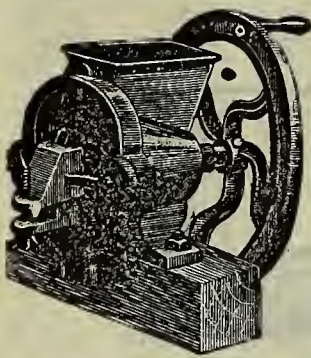
Please note, we furnish fronts only, attachable to a square box of suitable size.

Each, 50c.; \$5.50 per doz.; per 100, \$42.50.



WILSON'S No. 1 MILL

This Mill is adapted for grinding oyster shells, dry bones, corn meal, etc., and by means of a regulating screw on the back can be made to grind any desired fineness, \$4.50; \$6.50 with Legs and Stand.



STANDARD GREEN BONE MILLS

No. 10, for bench use, crank handle..	\$6.75
" 9, for bench use, wheel handle..	8.80
" 8, with stand, wheel handle.....	10.50
" 7, for bench use, wheel handle..	12.00
" 6, with stand, wheel handle.....	14.50
" 3, for power or hand use.....	17.75

Also numerous other sizes.

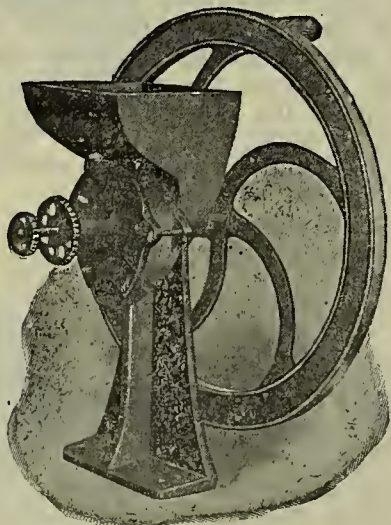
MANN'S GREEN BONE MILLS

No.	Each
5-C with crank handle	\$6.00
5-B with balance wheel	8.00
5-B M with balance wheel and stand..	10.40
7 with balance wheel	12.00
9 with balance wheel	18.40
11, for power	26.00
12, for power	30.00

THE STOVER FEED MILL

This is the best mill that was ever offered to the poultryman. It will crack wheat, corn, grind oats or any other dry feed quicker, better and with greater ease than other mills. Its adjustment is rapid and simple; any desired fineness can be obtained; a child can run it.

No. 32.....\$4 00 | No. 35.....\$6.50



NORWICH AUTOMATIC FEEDER

It is but necessary to fill the Hopper with such grain feed as may be desired, filling the Feed Bar and adjust the valve at the bottom of the Hopper to feed in such quantities as desired. Set the machine anywhere, give the Feed Bar a turn or two, and in ten to fifteen minutes every hen in the flock will take in the situation and work it.

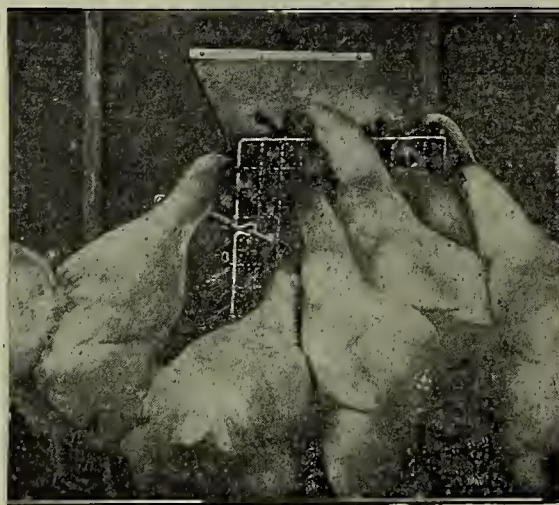
No. 1, 8-qt. ..	\$2.50	No. 3, 20-qt. ..	\$4.10
No. 2, 14-qt. ..	3.25	No. 4, 32-qt. ..	5.00



JERSEY AUTOMATIC FEED HOPPERS

This type sets lower to the ground than the Norwich style, also less expensive.

No. 4—5 pints ..	\$1.00	No. 2—9 qts. ..	\$2.00
No. 3—6 qts. ..	\$1.50	No. 1—14 qts. ..	\$2.50



WORCESTER GREEN FEEDER

This is the first device of its kind for holding green feed or litter, such as greens, grass, etc. Making it possible for all to be consumed, allowing none to be trampled under foot. \$1.25 each.



POULTRY HOLDER

Holds any size from the smallest squab to the largest rooster; malleable iron.

Each, 40c.; \$4.25 doz.

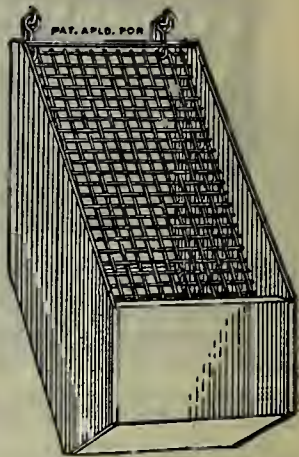
THE BOSTON DRY FOOD HOPPER

Adapted for feeding mash, grain, meat or any dry food, positively prevent waste. Made of galvanized iron and wire.

Small Size, for Brooders, \$1.00 each.

Medium Size, Capacity 8 qts., for grit, shell, meat, etc., 90c.

Large Size, capacity 16 qts. for grain, and mash, \$1.00

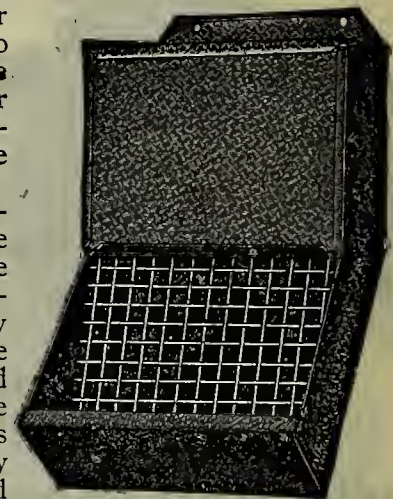


"SEXTONS" DRY FEED HOPPER

This Hopper is arranged to hang on the wall and never need be removed to be refilled.

It is impossible to waste any feed, as the pan at the bottom catches any that may be picked out and dropped, the last grain is used. The body being covered keeps feed clean, and always dry.

	Each	Doz.
No. 1, Poultry size	\$1.00	\$11.00
" 2, Chicken size .....	.90	9.50

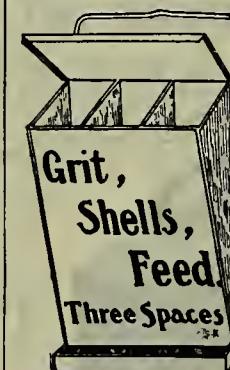


GRIT BOXES

Don't throw grit or feeds on the ground—use a grit box.

Perfect Galvanized Iron, with three spaces, 50c. each; per doz., \$5.50.

Perfect Galvanized Iron, large size with three spaces, 75c. each; per doz., \$8.50.



Galvanized Iron (Prairie State Style), 50c. each, per doz., \$5.25.

Galvanized Iron (Three-in-One Style). A combination box capable of one, two or three compartments, 75c. each; doz., \$8.50.

Beef Scrap and Dry Food Hopper (Prairie State). Galvanized iron with a capacity of 10 lbs. 50c. each; doz., \$4.75.

PRAIRIE STATE DRY MASH HOPPER

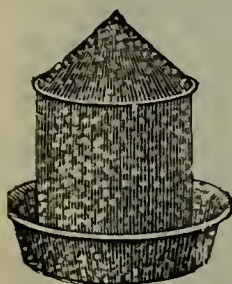
Made of galvanized iron with a capacity of 25 lbs. Equipped with a lid, so that the supply of food may be cut off any time desired. Price, \$1.75.

WIRE HEN'S NEST

Sanitary, easily cleaned and convenient to handle. 15c. each; per doz., \$1.25.



POULTRY SUPPLIES

DRINKING
FOUNTS

Philadelphia Galv.

Capacity	Each	Per Doz.
1 qt.	25c.	\$2.50
2 qts.	35c.	3.50
4 qts.	50c.	5.00
8 qts.	75c.	7.50

Philadelphia Stone Fount

1/2 gallon size.....30c. each; dozen, \$3.25
1 " "45c. " " 4.50

Nesco Galvanized Fount

1 qt.	.....25c. each; per doz., \$2.50
2 " "	.....30c. " " 3.00
4 " "	.....45c. " " 4.00
8 " "	.....65c. " " 6.00

Hooded Stone Founts

Capacity	Each	Doz.	Capacity	Each	Doz.
1 pt.	25c.	\$2.25	4 qts.	60c.	\$6.25
1 qt.	30c.	3.00	6 " "	75c.	7.75
2 " "	40c.	4.25	8 " "	85c.	8.00
3 " "	50c.	5.25			

Sanitary Fount, Galvanized Iron

1 gallon50c. each; per dozen, \$5.50
2 " "85c. " " 9.00

Peerless Fount, Galvanized Iron

Two-gallon size, plain, 75c.; with lamp attachment, \$1.75. One qt. chick size, 35c. each; per doz., \$3.75.

Acme Fount, Galvanized Iron

Capacity	Each	Doz.
1/2 gallon size	.....\$0.50	\$5.75
1 " "	......75	8.50
2 " "	.....1.00	11.00

Hub Fount, Galvanized Iron

1 gallon size	.....\$0.50	\$5.50
2 " "	......75	8.50

Prairie State Duck Fount

Galvanized iron, 2 gallons capacity, \$1.00 each.

Aluminum Chick Fount

25c. each; per dozen, \$2.75.

Pineland Pigeon Fount

2 gallons capacity, 85c. each.

Philadelphia Pigeon Fount, \$2.00 each.

Moe's Top Fill Galvanized Founts.

5 qt., \$1.25; 10 qt., \$1.75 each.

Drinking Cups for cages (galvanized iron), capacity 1/2 pint. 15c. each; per doz., \$1.50.

Prairie State Fountains

(Galvanized Iron.)

	Each	Doz.
1 qt.	.....\$0.25	\$2.25
2 qt.	......30	2.75
1 gal.	......40	3.75
2 gal.	......60	5.25

SANITARY CHICK FOUNT

An entirely new feature. It is exceedingly practical so far as its actual use is concerned as chicks cannot upset it or get wet. Capacity, 1 quart, 30c. each; per doz., \$3.00.



Send for our POULTRY SUPPLIES Catalog, Free

DRINKING FOUNTS

Norwich Air Lock Automatic Non-Freezing Fount. This is the fount for cold weather or in fact for any season of the year. Made of galvanized iron, thoroughly indestructible. It is a truly wonderful invention and must be seen to be appreciated. Capacity, 5 gals., \$2.50 each.

Lathrop Fount or Chick Server. Used for feed or water. Galvanized iron. 30c. each; per doz., \$3.00.

CHICK FEEDERS

SINGLE

Apex Style

	Each	Doz.
3 hole	.....\$0.25	\$2.35
6 " "	......40	4.00
9 " "	......50	5.25
12 " "	......75	7.75

DOUBLE

Apex Style

	Each	Doz.
6 hole	.....\$0.40	\$4.00
10 " "	......55	5.75
14 " "	......75	7.75

SANITARY FEEDER

A flat galvanized iron chick tray with stalls or partitions; 10 inches long, 3 1/2 ins. wide. 25c. each; doz., \$2.75.

PEERLESS FEEDER

A handy galvanized iron device which is perfectly sanitary; chicks cannot get into it with their feet; mice and rats cannot get into it when turned up, to stop the flow of feed.

	Each	Doz.
Small, 9 inches long	.....\$0.35	\$4.00
Large, 15 inches long	......50	5.50



WALL FEED PANS

Made of galvanized iron, 23 inches long; capacity, 3 qts. 40c. each; 6 for \$2.10; \$4.00 per dozen.

12 inch size, 30c. each; doz., \$3.25.

PRAIRIE STATE FEED TRAYS

(Made of Wood.)

No.	Length	Each	Doz.
No. 1.	18 inches long	.....\$0.20	\$2.00
" 2.	24 " "	......25	2.50
" 3.	30 " "	......30	3.25



French Knife



KILLING KNIVES

Progressive. Price, 50c. (by mail, 55c.).
French. Price, 50c. (by mail, 55c.).

EGG TESTERS

Magic. Determines the fertility of eggs before setting them, which eliminates the testing out process. Price, \$2.00 (post-paid).

Firefly Electric. Will test from 8,000 to 10,000 eggs without recharging. Price, \$5.00.

Philadelphia. Made of tin and mica. Price, 25c.

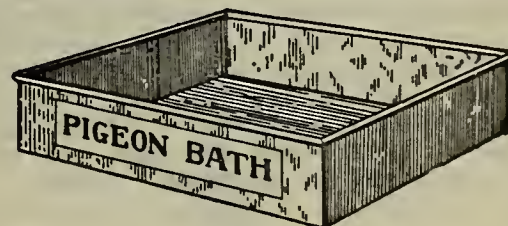


NEST EGGS

Knox Lice Expelling. These are made of naphthaline, and are an ideal substitute for the natural egg, which they closely resemble. 5c. each; doz., 50c.; \$3.50 per 100.

Porcelain, 3c. each; per doz., 25c.; \$1.75 per 100.

Lime, 3c. each; doz., 25c.; \$1.75 per 100.



PIGEON BATHS

Sanitary (see cut). Galvanized Iron, \$1.00 each; doz., \$11.00.

Philadelphia. Galvanized Iron, \$2.00 each.

LEG BANDS

For Poultry and Pigeons

	Per 25	100
Climax	.....\$0.25	\$0.65
Eclipse	......25	.65
Smith Sealed	......45	1.50
Double Clinch	......25	.65
Leader	......25	.65
Celluloid, large	......45	1.50
Pigeon, Open	......25	.65
" Celluloid	......35	1.25
Pigeon Seam-		
less	......50	1.50
Pigeon, Double		
Clinch	......25	.65

Lettering Bands, either pigeon or poultry, 10c. per doz. or 100 extra.

GAPE WORM EXTRACTORS

Hallowell, Silver and Horse Hair, 10c. each; \$1.00 per dozen.

Pilling, made of German Silver, 25c.

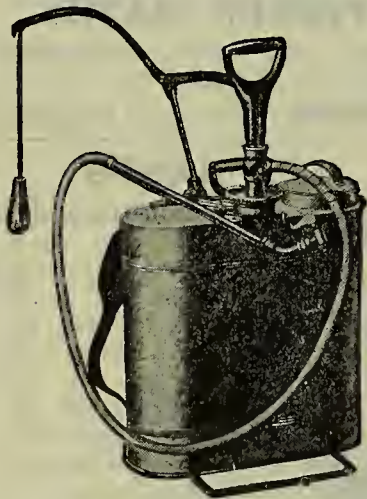


Pilling Gape Extractor



THE BIDWELL AIR SPRAYER

Of all the compressed air sprayers on the market this is absolutely the best one; the heavy copper tank has a capacity of 5 gallons; the pressure capacity is 45 pounds. Unlike most other sprayers which have to be pumped several times to empty their reservoir, this one will empty the contents with one charge; the pump is independent of the tank and every part can be gotten at. The entire apparatus is so constructed that it will appeal instantly to anyone who wants a high grade outfit. Every piece is brass and copper except the hose and washers, and with ordinary care it will last a lifetime. The liquid is pumped into the reservoir through the same hose which takes in the air; positively the best Knapsack sprayer ever invented and the only one ever equipped with a practical air pressure gauge. Fitted with a famous Winkle-Mist nozzle; full directions with each one, together with our full guarantee. \$15.00.



DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery and tree work, etc.

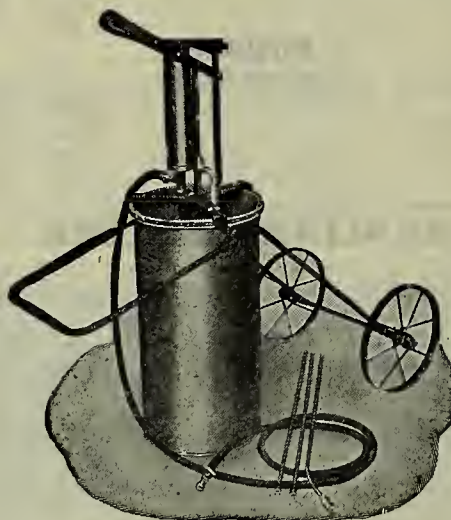
Fig. 675. Copper tank, holding about 5 gals., complete, with pump, nozzle and hose.....\$14.50

Fig. 654. Galvanized tank, holding about 5 gals., complete, with pump, nozzle and hose..... 9.50



GARDENER'S CHOICE SPRAY OUTFIT

Here is an equipment that is easily worth \$5.00 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gals.; the pump has brass cylinder, and it is a complete equipment with hose and nozzle. Price, \$15.50.



No. 3 Paragon Sprayer

THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir; although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or cold water paint.

No. 0.—Equipped with a 3-gal. reservoir, 4 ft. of hose, nozzle and extension pipes. Price, \$7.50.

No. 1.—With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$10.00.

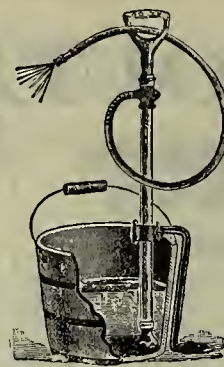
No. 3.—Equipped with a 12-gal. tank mounted on a truck, three 2½-ft. extension pipes, 2 nozzles and 10 ft. of hose, \$15.00.

No. 4 (see next page)—Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose, and 2 nozzles. Complete, \$22.00.



COPPER STRAINER

For straining whitewash, spraying material, etc. \$1.00 each.



BUCKET SPRAY PUMPS

These are made entirely of brass except the foot rest, bucket fastener and hand grip. For years we have sold them with entire satisfaction. The prices below do not include bucket, but include nozzle and 3½ feet of ¾ in. hose.

Success Pump (without bucket fastener)\$3.85
Perfect Success (with bucket fastener) 4.35

THE AUTO SPRAY



Auto Spray in operation

It operates with compressed air; safe and efficient; liquid capacity, 4 gallons; pressure capacity, 40 lbs. The Brown Auto-Spray is probably the first real successful Compressed Air Sprayer ever put on the market. Previous to its introduction there were other makes, some of them still being offered for sale. We have had a wide and varied experience with the different ones, and after personal tests and noting the

experiences of our customers, finally adopted as our standard compressed air sprayer this make. No sprayer is sold under broader guarantee for efficiency and durability. The Auto-Spray must please and will accomplish all that any first-class sprayer will or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same, and the extra cost over the galvanized will prove a good investment.

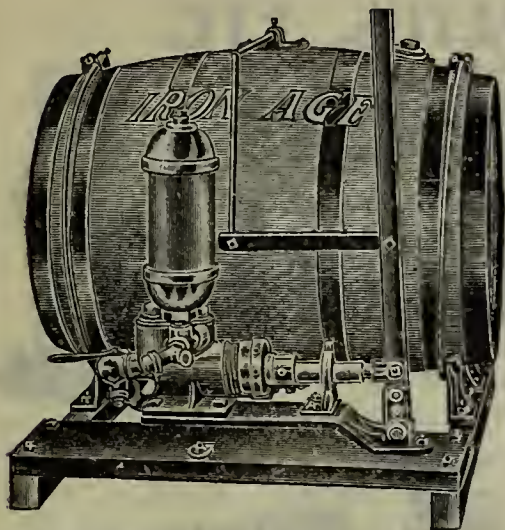
No. 1-A Brass equipped with hose and regular nozzle, \$6.75.

No. 1-B Brass equipped with hose and Auto-Pop Attachment, \$7.25.

No. 1-C Galvanized Iron equipped with hose and regular nozzle, \$4.50.

1-D Galvanized Iron equipped with hose and Auto-Pop, \$5.00.

Auto-Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, \$1.50 each.

**IRON AGE SPRAYER NO. 1901**

This is an ideal equipment to mount on a flat wagon, cart or sled. It is complete in every detail. Equipped with a 50-gal. barrel, large air chamber with a pressure capacity of 125 lbs., automatic agitator, brass bronze ball valves, woven hemp packing, which is easily replaced. No leather or rubber to give trouble. All working parts of the pump are outside, can be gotten at easily.

Price, no hose or nozzle, \$20.00; with 15 ft. 1/2-in. hose, 1 nozzle, \$23.00; equipped with 2 15-ft. lengths of 1/2-in. hose, 2 nozzles, \$26.75.

**IRON AGE SPRAYER NO. 197**

A perfect outfit for gardens, small farms, poultry, plants, etc.; capacity, 20 gals. Pump all brass with a 6-inch stroke, large air chamber with a 100-lb. pressure capacity; bronze brass ball valves of easy access. Equipped with a perfect agitator, 4 feet of extension rod with hand grip and 4 feet of 1/2 in. hose, stop cock and nozzle. \$16.50.

EXTENSION PIPES, Etc.

For reaching into trees, 3/8-inch threads.

Bamboo, with brass tube, 8 ft. \$2.00
" " " " 10 ft. 2.50

Galv. Iron, 2 ft., for Auto Sprays.... .30

Brass, 2 ft., for Auto Sprays..... .45

Pet Cock, for extension pipes..... .40

Iron Age. Fig. 419—Steel pipe 10 ft. long, with an angle connection, stop cock, 2 hand grips and drip guard, for 1/2-in. thread. Price, \$2.90.

Iron Age. Fig. 420—Bamboo casing with brass pipe inside, with angle connection, stop cock, 2 hand grips and drip guard, 10 ft. long for 1/2 in. thread. Price, \$4.00.

Paragon Extensions, 2 1/2 ft. 50c. each.

IRON AGE SPRAYER NO. 194

For the small orchard, farm or garden, can be attached instantly to any barrel. The pump and all working parts except agitator and suction pipe are on the outside. The latter is equipped with a bronze ball valve, which adds to its power and efficiency; packing, woven hemp, easily replaced. A pressure of 125 pounds can be maintained.

Price, without barrel hose or nozzle, \$10.00. Price, with 15 ft. 1/2-in. hose, nozzle, no barrel, \$14.50. Price, with barrel, 15 ft. 1/2-in. hose and nozzle, \$18.25.

NO. 194 T. I. A. SPRAYER

The equipment above with a 2 1/2-in. iron tire wheel-truck and barrel, without hose or nozzle, \$22.75, or \$26.25 with 15 ft. hose and nozzle.

IRON AGE SPRAYER NO. 195

This is really a duplicate of pump No. 197, described in the opposite column, except that it is adapted or equipped for bucket use. The pump is securely fastened to a cedar bucket of 16 qts. capacity, nicely painted. The equipment can be picked up and easily moved from place to place. Equipped with a 2-ft. extension rod, a Vermorel nozzle with an extra solid stream cap and 4 ft. 1/2-in. hose. Price, \$8.00.

**LEWIS' SHEET BRASS SYRINGE**

Capacity about 1 quart, \$1.75.

HEAVY BRASS SYRINGES

Made of heavy sheet brass which will last many years with a little care.

No.	Diam.	Length	Price
99H	1 1/2"	18" Spray rose only	\$2.50
101A	1 1/4"	14" " " and stream	2.00
101C	1 1/2"	16" " " " "	3.25
104	1 3/4"	18" 2" " " " "	5.50
107	1 3/4"	20" (Adjustable)	5.00

SPRAY NOZZLES (3/8 in. thread)

Bordeaux and Vermorel	each, \$0.75
Mistry, Jr.	.90
Winkle Mist	.75
Paragon style	.35
Duplex Vermorel (2 nozzles)	1.50
Triple Vermorel (3 nozzles)	2.25
Quadruple Vermorel (4 nozzles)	2.50
Duplex Mistry (2 nozzles)	3.00

For 3/4-in. connections add 25c.

SIMPLEX BARREL PUMP*Simplex Pump*

One of Deming's very best sprayers. Fitted with brass cylinders. Equipped with an automatic agitator. Will throw a stream 40 feet. **Plain Pump**, no hose, nozzle or barrel. \$7.50.

Outfit A—Pump, with 12 1/2 ft. 1/2-in. hose, fitted with a Bordeaux or Vermorel nozzle and pole connection for reaching into trees, no barrel. \$10.65.

Outfit B—Pump, with two 12 1/2-foot sections of 1/2-in. hose, two Bordeaux or Vermorel nozzles, pole connection, no barrel. Price, \$13.80.

CENTURY PUMP

A very powerful pump; working parts are entirely of brass; has large air chamber; also a perfect agitator and a long fulcrum link, which enables the operator to work the pump with little effort.

Price for pump, no barrel or hose, \$10.50.

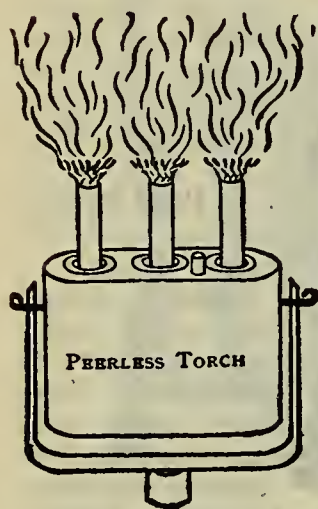
Price, complete, with 12 1/2-ft. 1/2-in. hose and nozzle, no barrel, \$13.65. Price, with two 12 1/2-ft. leads, hose and nozzles, no barrel, \$16.80.

Barrels, with cut head, \$3.50

**NO. 4 PARAGON SPRAYER**

Designed for spraying whitewash and water paints in poultry houses and buildings, also for spraying trees and shrubbery. Equipped with 10 feet of extension pipe, 20 feet 6-ply hose and 2 spraying nozzles. Price, complete as in cut, \$22.00, or with barrel, but no truck, \$17.00.

SPRAYING AND INSECTICIDE APPARATUS, ETC.



PEERLESS TORCH



Asbestos Torch



Reservoir Torch

OIL TORCHES

For burning out worms, caterpillars and nests that infest trees.

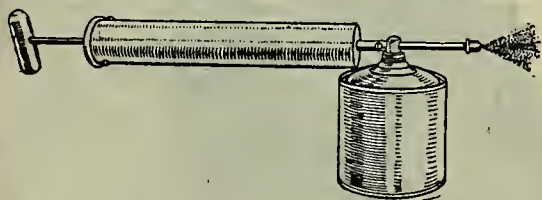
Peerless \$0.50
Reservoir25
Asbestos40

POLES FOR TORCHES

Hickory wood. 12 feet, 45c.; 14 feet, heavy, 80c.; 16 feet, heavy, \$1.00.

MICHELL'S SPRAY BOOKLET

To guide the inexperienced in the proper selection of insecticides, as a remedy against insects and tree and shrubbery diseases, we have compiled a booklet which is complete in detail and a ready help to the gardener. This booklet is free and may be had for the asking.



AUTOMATIC COMPRESSED AIR SPRAYER

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

Tin . . . each, \$1.00 | Brass . . each \$2.00



CYCLONE HAND SPRAYERS

Similar to the above except they do not have the automatic air reservoir attachment.

Tin . . . each, \$0.50 | Brass . . each, \$1.00



SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Price, \$4.50.

FUMIGATORS

Perfection Make

Fitted with a water tank to prevent burning out.

No.
1 for house 12x40 ft. \$3.00
2 " " 15x100 ft. 3.50
3 " " 20x100 ft. 4.00
5 " " 20x150 ft. 5.50

Eureka Make

No.
1 for house 10x20 ft. \$1.25
2 " " 12x40 ft. 1.75
3 " " 15x100 ft. 2.25
4 " " 20x100 ft. 3.25

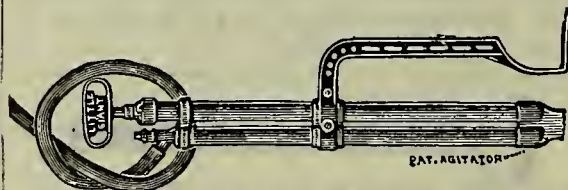


Eureka



VAPORIZING LAMP

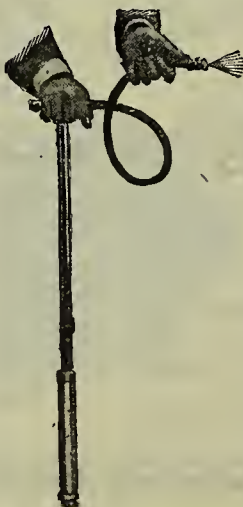
Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicotinic, Tobacine and other preparations of this sort. 50c. each.



MYER'S BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$3.00.

JUNIOR SPRAY PUMP



No. 5—For bucket use; the pump works on a spring device, making compression which discharges the liquid. The most practical bucket pump for one person to use. All brass and excellent value. Just the thing for the man with a small fruit garden, a few greenhouses, or a hen house that needs spraying. Complete with hose and nozzle. Price, \$3.00.

PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 50c. each.

Farmer's Favorite. (See cut.) Large double-action affair, \$1.25 each.



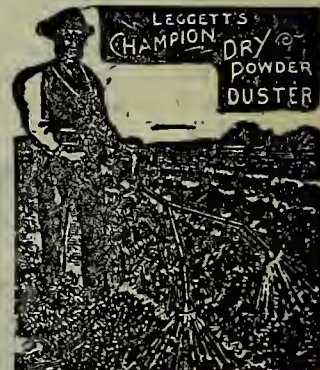
DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 25c.; by mail, 35c.

"Acre An Hour" Sifter. 75c. each.

CHAMPION GUN

This machine will distribute dry insecticides, covering one or two rows at one time. Will save its price in material used in one season. Price, \$8.00.



THE BROWNIE DUSTER

BROWNIE GUN

This machine is especially intended for distributing Paris Green, London Purple, etc. Price, \$4.00.



WOODASON HAND BELLOWS

Large double cone, each \$3.00
Large single cone, each 2.00
Small single cone, each 1.10
Liquid spraying, each small, \$1.50;
large 2.00
Sulphur Bellows, each 1.50

JUMBO POWDER GUN



Very useful in the dwelling or for other places. Distributes dry powder very satisfactorily. Price, 15c.

MICHELL'S READEANA ROSE BUG EXTERMINATOR (Poison)



The Rosebugs of all classes are the most destructive and the hardest to conquer of any insect pest. They appear, as if by magic, often thousands at a time, and spoil any possible chance to get even a single perfect rose flower in the spring months. Entomologists have studied this question with long and serious thought and were never able to offer a solution until the advent of "Readeana." This preparation is the result of a chemist after years of untiring energy expended in finding something that would absolutely destroy and drive away rosebugs and insects of every kind that damage foliage and flowers of trees, bushes and plants of all kinds. While the prep-

aration itself is poisonous, it is perfectly safe, if used according to directions, when not the slightest danger exists. It is perfectly harmless to and does not stain foliage or flowers. Its greatest value is in destroying rosebugs, and occasional spraying with this preparation will keep all kinds of plants free from insects of all classes. May be used in the greenhouse, among house plants or outdoors with equal success. Be sure and include some of it in your order. Read directions carefully before using.

Per 4-oz. bottle.....	\$0.25	1 gallon	\$4.00
10-oz. bottle.....	.50	5 gallons	17.50
24-oz bottle.....	1.00		

Dilute 1 part Readeana to 3 parts of water. Readeana is not available.

MICHELL'S "ELECTRIC" WORM ERADICATOR (Poison)

You have often seen plants of various kinds which looked reasonably healthy and at the same time did not appear to be thriving. In conditions of this kind the trouble may invariably be traced to something working in the soil at the root of the plant, making it impossible for the plant to absorb the required nutrient from the soil. The above is particularly true of pot plants, which often make up the window garden. Electric Worm Eradicator dilutes one part to 120 parts of water for average pests that work in the soil. For the more hardy kinds a dilution half as strong as above is recommended, though we advise at all times the cautious use of this, so as not to get it too strong. A single application, which is always made on the top of the soil (not on the foliage or the plant) will bring any worms, grubs or insects underneath, to the top at once, where they will perish.

This preparation is highly recommended for use on the lawn, in the vegetable or flower garden or on any occasion where it is desired to rid the soil from insect pests. It is perfectly harmless to plant, animal or human life, if used according to directions.

4-oz. bottle	\$0.25	1 gallon	\$4.00
10-oz. bottle .....	.50	5 gallons	17.50
24-oz. bottle	1.00		

Dilutes 1 part Eradicator to 120 parts of water. Worm Eradicator is not available.

MICHELL'S HERBICIDE Kills Weeds IN WALKS, PATHS AND ROADS

This preparation is a thoroughly proven Weed Exterminator, made by one of the leading chemical concerns in the United States. Will not stain wood or stone work. It dilutes readily in water and can be applied with a sprinkling can or in a large area with a watering cart. In dry seasons a single application will frequently last for the growing period. It is seldom that more than two applications are required. For clay and sand tennis courts it is a perfect preparation, and will absolutely control weeds or grass. A large space can be treated in a short time. It requires no skill to mix it. One part of Herbicide dilutes to 40 parts of water, either hot or cold, clean or dirty. A gallon of Herbicide is capable of treating 120 square yards of surface.

5oc. per quart, makes 10 gals. of treating liquid.	5 gallons, \$5.50, makes 205 gals. of treating liquid.
½ gallon, 8oc., makes 20 gals. of treating liquid.	10 gals., \$10.00, makes 410 gals. of treating liquid.
1 gallon, \$1.50, makes 41 gals. of treating liquid.	25 gals., \$21.50, makes 1025 gals. of treating liquid.
2 gallons, \$2.75, makes 82 gals. of treating liquid.	50 gals., \$35.00, makes 2050 gals. of treating liquid.



Read directions before using Herbicide. Don't use in garden, among flower beds or on the lawn. As Used on Drives and Roads

Ant Exterminator. A powder that is used for distributing around buildings, on the greenhouse benches, on lawns, gardens, and any other places infested by ants. Per $\frac{1}{4}$ lb., 20c.; per $\frac{1}{2}$ lb., 40c.; 75c. per lb.

Anti-Pest (Carmen's). For destroying red spider, scale and green fly. 50c. qt.; $\frac{1}{2}$ gal., 75c.; \$1.40 per gal.; 5 gals., \$5.75.

Aphine. For destroying aphids, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. $\frac{1}{4}$ pt., 25c.; 40c. per $\frac{1}{2}$ pt.; pt., 65c.; \$1.00 per qt.; per gal., \$2.50.

Aphis Punk. A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphids, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg., 60c.; \$6.50 per 12 pkgs.

Arsenate of Lead. For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to prevent the codling moth. It comes in paste form, and dilutes 1 lb. to 25 gals. water. Per lb., 25c.; 90c. per 5 lbs.; per 10 lbs., \$1.60; \$3.75 per 25 lbs.; \$6.00 per 50 lbs.; per 100 lbs., \$10.00.

Arsenate of Lead (Powdered). This form of Arsenate is extensively used. It is instantly soluble in water and a pound thereof goes almost twice as far as two pounds of paste arsenate. Further, you do not have to pay transportation charges on water, which acts as a preservative in paste arsenate. 1 lb. dilutes to 50 gals. of water. 35c. per lb.; 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$6.00; \$10.50 per 50 lbs.; 100 lbs., \$20.00.

Black Leaf 40. A concentrated solution of nicotine Sulphate, an excellent spray for black aphids sucking insects of all kinds; dilutes 1 part to 900 or 1000 parts of water, according to treatment. Full directions on each package. $\frac{1}{2}$ lb., 85c.; \$3.25 per $2\frac{1}{2}$ lbs.; 10 $\frac{1}{2}$ lbs., \$12.50.

Bordeaux-Arsenate. This is a combination of Arsenate of Lead and Bordeaux Mixture, in nature like Pyrox. Its use combines an application of Fungicide and Insecticide at one time. A pound dissolves with 5 gallons of water. It sticks to the foliage and will not wash off for a long period. 1 lb., 20c.; 80c. per 5 lbs.; 10 lbs., \$1.50; \$3.25 per 25 lbs.; 50 lbs., \$6.00; \$10.50 per 100 lbs.

Bordeaux Mixture. Used principally for mildew, blight and fungous diseases that affect potatoes and fruit trees. *Paste Form:* 1 qt., 40c.; \$1.00 per gal.; 5 gals., \$4.50. One gallon makes 50 gallons material. *Dry Form:* 1 lb., 20c.; 6 lb. sack (makes 30 gals.) 70c.; \$1.00 per 10-lb. sack (makes 50 gals.).

Boro-Wax. For painting trees to destroy and keep away borers. 35c. per qt.; $\frac{1}{2}$ gal., 60c.; per gal., \$1.00; \$5.00 for 6 gallons.

Bug Death. Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 15c.; 35c. per 3 lbs.; per 5 lbs., 50c.; per 12 $\frac{1}{2}$ lbs., \$1.00; \$7.50 per 100 lbs. (Special Shaker for Bug Death, 25c.)

Carbolineum. A germicide and disinfectant, also an excellent wood preserver when used as a paint. \$1.25 per gal.

Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., 60c.; \$1.75 per gallon.

Cow Ease. Excellent for keeping flies and gnats off domestic animals. Applied with a sprayer or a sponge. Per qt., 35c.; \$1.00 per gal.; per 5 gals., \$4.50.

Cyanide of Potassium. For fumigating. 25c. per $\frac{1}{4}$ lb.; lb., 50c.

Dalmation or Persian Powder. For ridding buildings of all kinds of various insect pests. Particularly for the smaller and creeping kinds, as it is not strong enough to destroy large or more hardy insects. 15c. per $\frac{1}{4}$ lb.; per lb., 45c.; \$2.00 per 5 lbs.

Death to Lice (Lambert's) for plant lice, adhesive to foliage. 5 oz., 10c.; 25c. for 15 oz.

Disparene (Bowker's). A trade name for a brand of Arsenate of Lead, which it resembles in every way. Dilute 1 lb. to 25 gals. water. Price, 25c. per lb.; 5 lbs., 90c.; \$1.60 per 10 lbs.; 25 lbs., \$3.75; \$6.50 per 50 lbs.

Fir Tree Oil Soap. This is very much like the Fir Tree Oil, except that it is in the shape of soft soap, and many prefer to use it in that way. It is dissolved according to directions in warm or hot water and used as a spray or wash. Per $\frac{1}{2}$ lb., 25c.; 75c. per 2-lb. can.

Fungine. An excellent remedy for fungous diseases of all kinds. 75c. per qt.; per gal. \$2.00.

Grape Dust. A powder preparation used for mildew, aphids, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., 40c.; 75c. per 10 lbs.; per 25 lbs., \$1.75; \$6.00 per 100 lbs.

Getz There Soap. Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 40c.; \$1.00 for 8 lbs.; 25 lbs., \$2.50.

Hellebore. The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. Per $\frac{1}{4}$ lb., 10c.; 15c. per $\frac{1}{2}$ lb.; per lb., 25c.; \$1.00 per 5 lbs.; per 10 lbs., \$1.85.

Hydrocyanic-Acid Gas (Fumigation with Cyanide Potassium) Poison. As given to us by a practical gardener. Put four ounces of water in a galvanized iron pail, add to this 2 oz. of Sulphuric Acid, wrap an ounce of Cyanide of Potassium in paper and place it in the bucket, which should be placed near the door of the greenhouse to afford quick exit; the moment the Cyanide strikes the liquid it generates a poisonous gas which must not be inhaled. The above charge is sufficient for 1000 cubic feet of space. Don't open the greenhouse for at least 12 hours. One of the ventilating sash should be arranged so it can be opened from the outside to allow the fumes to escape entirely before entering. This is claimed to be the only and best remedy to absolutely kill the white fly. It is claimed that it will not injure the most delicate plant, but the user should take great care of himself. **Cyanide of Potassium (Poison),** per $\frac{1}{4}$ lb., 25c.; 50c. per lb. **Sulphuric Acid,** lb., 30c.

Kerosene Emulsion. Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Liquid dilutes 1 part to 20 parts of water. **PASTE:** Per lb., 20c.; per 5-lb. can, 75c.; per 25-lb. can, \$3.00. **LIQUID:** Per qt., 40c.; per gal., \$1.00; \$4.50 per 5 gals.

Kil-o-Scale. Destroys and prevents the spread of scale insects of all kinds. Its chief use is the destruction of the San Jose Scale, which prevails in all parts of this country. It is diluted, one part Kil-o-Scale to twenty parts water. Per pt., 30c.; 50c. per qt.; per $\frac{1}{2}$ gal., 75c.; per gal., \$1.25; \$5.00 per 5 gals.; per 25 gals., \$21.25; per 50 gals., \$42.50.

Lemon Oil Co's Insecticide. The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Half pt., 25c.; pt., 40c.; qt., 75c.; half gal., \$1.25; gal., \$2.00; 5-gal. kegs, \$9.00; 10-gal. kegs, \$17.50.

Lime Sulphur. For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 12 or 15 gals. water, either hot or cold. May be used as a summer or winter spray, excellent to use as a fungicide. 25c. qt.; $\frac{1}{2}$ gal., 45c.; 75c. gal.; 5 gals., \$2.25; \$3.75 for 10 gals.; 25 gals., \$6.00; \$9.00 per 50 gals.

Lime Sulphur (Dry Powder Form). Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. It is instantly soluble in either cold or hot water, dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Lb., 25c.; \$1.15 for 5 lbs.; 10 lbs., \$1.50; \$3.25 for 25 lbs.; 50 lbs., \$5.00; \$8.00 per 100 lbs.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution; one should be in the hands of every man who uses this material. Price, \$1.00. (Postpaid, \$1.10.) With directions.

Nicoticide. Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphids, white fly, and red spider, etc. Per $\frac{1}{4}$ pt., 70c.; per $\frac{1}{2}$ pt., \$1.25; per pt., \$2.50; per qt., \$4.50; \$8.25 per $\frac{1}{2}$ gal.; 1 gal., \$15.00. (Lamps for Nicoticide, 50c. each.)

Nicotinana. A nicotine solution for spraying and vaporizing. \$1.25 per qt.; per gal., \$4.00.

Michell's Insect Destroying Preparations

Prices on Insecticides
Subject to Market Changes

219

Nico-Fume (Liquid). This is used in very much the same way as Nicotidine. Per $\frac{1}{4}$ lb. (about $\frac{1}{4}$ pt.), 60c.; \$2.00 per lb. (about 1 pt.); 4 lbs., (about $\frac{1}{2}$ gal.), \$7.00; \$13.50, 8 lbs. (about 1 gal.).

Nico-Fume. This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Per box, 24 sheets, \$1.00; per 144 sheets, \$4.50; per 288 sheets, \$8.50.

Nikoteen. One of the milder forms of tobacco or nicotine preparations, usually diluted in water, makes a most satisfactory spray as well as vapor, excellent for pea lice in the garden. \$1.50 per pt.; per 10 pts., \$14.00.

Paris Green. The chief merit of this article is the destruction of the potato bug. It may be used in liquid form, 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound Paris Green to 100 pounds Land Plaster. 10c. per $\frac{1}{4}$ lb.; per $\frac{1}{2}$ lb., 20c.; 35c. per lb.; \$1.50 per 5 lbs.; per 14 lbs., \$3.25.

Pyrox (Bowker's). A pasty substance used for all leaf-biting insects. It is really a Bordeaux and Arsenate of Lead combined and is excellent. Dilute 1 lb. to 5 gals. water. 25c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.; 25 lbs., \$4.00; 50 lbs., \$7.50; \$13.50 per 100 lbs.; 300 lbs., \$38.00; \$60.00 per 500 lbs.

Rat Corn. For destroying rats and mice in greenhouses, hotbeds, etc. 15c., 25c., 50c. and \$1.00 per box.

Readeana Rose Bug Exterminator. A poisonous preparation which dilutes in water. Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. Will not injure flowers. 4-oz. bottle, 25c.; 10-oz. bottle, 50c.; \$1.00 per 24-oz. bottle; per gal., \$4.00. (See also page 217.)

Sulphocide. A summer spray against fungous diseases, one of the best preparations of its kind. 50c. pt.; qt., 75c.; \$2.00 per gal.

Scalecide. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. 45c. per qt.; per gal., \$1.00; \$3.25 per 5 gals.; 10 gals., \$6.00; \$16.00 per 30-gal. bbl.; per 30-gal. jacketed tin, \$15.00; \$25.00 per 50-gal. bbl.

Scale Destroyer. For San Jose Scale, 1 gal. dilutes to 20 gals. water. Per qt., 35c.; 65c. per $\frac{1}{2}$ gal.; per gal., \$1.00; \$3.75 per 5 gals.; 10 gals., \$7.50; 25-gal. bbl., \$12.50; per 50-gal. bbl., \$23.00.

Shoo Fly. For keeping flies off cattle and horses, used with a sprayer or a sponge, the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 35c.; \$1.00 per gal.; 5 gals., \$4.50.

Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 15c. per canister; per 5 lbs., 30c.; 60c. per 10 lbs.; 25 lbs., \$1.50; \$2.50 per 50 lbs.; 100 lbs., \$5.00 Full bbl. lots (about 250 lbs.), $4\frac{1}{2}$ c. per lb., f. o. b. Factory; $4\frac{3}{4}$ c. per lb., f. o. b. Phila.

Sulphate of Copper. For destroying fungous diseases of all kinds, also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds Sulphate of Copper to 6 pounds Lime, which is diluted in 50 gallons of water. Per lb., 15c.; \$1.25 per 10 lbs.; 25 lbs., \$2.50; \$8.50 per 100 lbs.

Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb., 7c.; 30c. per 5 lbs.; 25 lbs., \$1.25; \$4.00 per 100 lbs.

Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 20c. each; per doz., \$2.00; small, 10c. each; per doz., \$1.00.

Sulpho Tobacco Soap. An excellent article for the person with a few plants. Especially good for destroying scale on palms and other plants. Soluble in warm water. Per 3-oz. package, 10c.; 20c. per 8-oz. package.

Thymo Cresol (Sheep Dip). This preparation is used for disinfecting, etc.; it is also an excellent cold water sheep dip. Per 4-oz. bottle, 25c.; 40c. per 8-oz. bottle; per qt., 70c.; \$1.10 per $\frac{1}{2}$ gal.; per gal., \$2.00.

Tobacco Dust for dusting only. Excellent for Lettuce and other plants to destroy soft, creeping insects. Per lb., 10c.; 25c. per 5 lbs.; per 10 lbs., 45c.; \$1.00 per 25 lbs.; 100 lbs., \$3.50.

Tobacco Dust (Special). For either fumigating or dusting. A specially prepared article; state which kind is wanted when ordering. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.35; \$2.25 per 50 lbs.; 100 lbs., \$4.00.

Tobacco Soap (Sulpho). A combination of tobacco extract and sulphur, fine for washing and spraying plants; dissolve in warm water. 3-oz. cake, 10c.; 20c. per 8-oz. cake; 10 lbs., \$2.50.

Tobacco Stems (Fresh). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 5c.; 20c. per 5 lbs.; per bu., 50c.; \$1.00 per bbl. bag; per large bale, \$2.00; \$6.50 per half ton; per ton, \$12.00.

To-Bak-Ine Fumigating Paper. Very much like Aphis Punk, which it resembles. It is used in exactly the same way as Aphis Punk. Per package, of 24 sheets, \$1.00; \$4.50 per 144 sheets; \$8.00 per box of 244 sheets.

To-Bak-Ine Liquid. Similar to Nicotidine, except that it comes in two distinct grades—fumigating and spraying; state which is wanted when ordering. Price of either: Per $\frac{1}{8}$ pt., 50c.; per $\frac{1}{4}$ pt., 75c.; \$1.35 per $\frac{1}{2}$ pt.; per pt., \$2.50; per gal., \$17.50.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 30c.; 3-lb. cans., 85c.; 10-lb. cans., \$2.65; \$4.80 per 20 lbs.; 40-lb. can., \$8.75.

Vaporite. Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 1 lb., 15c.; 60c. per 5 lbs.; 10 lbs., 90c.; \$2.00 for 25 lbs.; 50 lbs., \$3.75; \$6.75 per 100 lbs.

Vermine. A soil sterilizer, a germicide. Will destroy worms, maggots, etc. It is usually applied at the time of preparing potting soil. Dilute at the rate of one part to 400 parts of water and thoroughly soak the soil. 40c. per $\frac{1}{2}$ pt.; pt., 65c.; \$1.00 per qt.; per gal., \$3.00.

Whale or Fish Oil Soap. For mild forms of Scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. It is nice for washing off Lemon trees, Oleanders, and almost anything that would be infested with a soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per $\frac{1}{2}$ lb., 10c.; 20c. per lb.; per 5 lbs., 60c.; \$1.10 per 10 lbs.; per 25 lbs., \$2.00; \$6.50 per 100 lbs.

Whale Oil Soap (Good's Caustic). Used extensively as a tree spray and as a summer remedy for San Jose Scale, it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. 20c. per 1-lb. can; 5-lb. can, 75c.; \$1.75 per 25-lb. can; 50 lbs., \$3.25; \$5.00 per 100 lbs. Barrell lots of about 425 lbs., at $4\frac{1}{4}$ c. lb.

Worm Eradicator (Reade's Electric). This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. It may be used with perfect safety, and results are sure. 4-oz. bottle, 25c.; 10-oz. bottle, 50c.; \$1.00 per 24-oz. bottle; \$4.00 per gal.; \$17.50 per 5 gals.; 10 gals., \$35.00.

Worm Eradicating Fertilizer (Carter's). This preparation is made in England where it is used extensively, though the demand has reached this side, where it is being applied to grass plots, putting greens, etc., with great success. It is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. This preparation acts as a fertilizer as well as a worm destroyer. In 100 lb. bags only, \$5.00; \$37.50 per 1000 lbs.; 2000 lbs., \$70.00. Apply at the rate of $\frac{1}{2}$ lb. per square yard.

Worm Eradicator (Radix). Destroys worms in lawns, on tennis courts and putting greens. One gallon makes 100 gallons of treating liquid. \$2.00 per gal.; per 5 gals., \$9.25; \$37.50 per 25 gals. Powder form: 1 lb. making 30 gallons of liquid, 60c. per lb.; per 25 lbs., \$12.50; \$22.50 per 50 lbs.; per 100 lbs., \$40.00.

Worm Killer (Reade's). A splendid preparation for use on lawns and grass plots that are infested with earth worms. It is applied and acts similar to Carter's Worm Eradicating Fertilizer. In addition to destroying worms, Reade's preparation works as a fertilizer. Golf green keepers frequently prefer it to other makes. One pound will cover about 2 square yards, or 18 square feet of surface. Apply early in the morning, or in the evening. 100-lb. bags only. \$5.25 per 100 lbs.; 500 lbs., \$25.00; \$26.00 per ton.

Acid Phosphate. (See Phosphate.)

Animal Bone and Potash. An ideal fertilizer for almost any farm or garden crop. Apply at the rate of 400 to 600 lbs. per acre. Per 200-lb. bag, \$3.25; \$13.50 per ½-ton; per ton, \$26.00.



shes (Canadian Hard Wood). Apply 1000 lbs. per acre. For top dressing lawn and grass fields, it is applied to best advantage either in very early spring or late fall. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.50; \$2.75 per 200-lb. barrel; 1000 lbs., \$11.50; \$22.00 per ton.

Asparagus Fertilizer (Pure Bone and Potash). A mixture that promotes the root and top growth. Apply 600 lbs. per acre. 85c. per 25 lbs.; 50 lbs., \$1.25; \$2.25 per 100 lbs.; 200 lbs., \$4.25; \$37.50 per ton.

Basic Slag. (See Phosphate.)

Blood, Bone and Potash (or "Potash and Truck Special"). The finest fertilizer for the truck patch or garden, combines every element of fertilizer; valuable for all vegetable crops, grass, grain or flowers. Note the high analysis: 7% av. phos. acid, 3½% ammonia, 7% potash. Per 100 lbs., \$2.50; \$4.50 per 200 lbs.; per ½ ton, \$19.00; \$37.00 per ton.

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.75 per 200 lbs.

Blood Flour. Apply 200 lbs. per acre. Much like dried blood except that it is finer and acts almost instantly. 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$9.50 per 200 lbs.

Bon Arbor. A concentrated chemical fertilizer similar to Bonora but less expensive; used in liquid form according to directions on the packages. 1 gal., \$2.00; \$9.25 per 5 gals. In powder form, dilutes 1 lb. of powder to 30 gallons of water. ¼-lb. can, 25c.; per ½-lb., 50c.; \$1.80 per 5 lbs.; 50 lbs., at 25c. per lb.; 100 lbs., at 20c. per lb.; bbls. (200 to 250 lbs.), 18c. per lb.

Bone (Coarse Cracked). ¼ to ½ size. This is particularly used for fruit trees, grape vines, etc.; apply at the rate of from 3 to 5 lbs., at the base of each vine or tree, and work it into the soil. Per 200 lbs., \$5.00; \$22.50 per ½ ton; per ton, \$42.50.

Bone (Coarse Ground). Apply 600 to 800 lbs. per acre. Prepared from raw bones, exactly like bone meal except that it is not so fine, or quick in action; is used for the same purposes. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.00 per 200 lbs.; per ton, \$35.00.

Bone Flour. Apply 600 lbs. per acre. Very fine, like dust, effective almost immediately; can be used for indoor or outdoor purposes. 5 lbs., 30c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.50 per 200 lbs.; ton, \$40.00.

Bone Meal (Fine Ground). Apply 600 to 800 lbs. per acre. Made from raw bone, without any addition of materials. Extensively used for lawns, greenhouse and in any case where a moderately slow stimulant fertilizer is wanted. 3 lbs., 15c.; 25c. for 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.; 200 lbs., \$3.75; \$33.00 per ton.

Bone Meal (Peirson's). Some gardeners prefer this brand and to those we are pleased to supply it. 200-lb. bags only, \$4.00; \$19.00 per ½ ton; \$37.00 per ton.

Bone Meal (Michell's Special Grade). We have been fortunate in locating a source from which we could get an unusual high grade of Bone Meal. By contracting for the entire output, the manufacturer agreed to let us have it. It is unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, garden and greenhouses, or any purpose where a high-class fertilizer counts. Always specify Michell's Special Grade when ordering. 100 lbs., \$2.25; \$4.00 per 200 lbs.; ton, \$35.00.

Bonora. Directions for use are on each package. It may be used in either dry or liquid form; excellent for greenhouse and pot plants or vegetable forcing. 25c. per trial pkg. (by mail, 30c.); 50c. per lb. (by mail, 66c.); \$2.50 per 5 lbs. by express.



Button Bone. Same price as Michell's Special Bone Meal.

Chrysanthemum Manure (Thomson's Special). Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Can be used in liquid and in dry form. Per 28-lb. sack, \$4.50; \$7.50 per 56-lb. sack.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 15c. per lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$2.00; \$3.50 per 56 lbs.; 112 lbs., \$6.50.

Climax Lawn Sand. A unique combination of carefully dried and finely ground chemicals. 3½-lb. can, 40c.; 7-lb. can, 75c.; 14-lb. can, \$1.25; 28-lb. pkg., \$2.00; 56-lb. pkg., \$3.50; 112-lb. pkg., \$6.00; 560 lbs., \$25.00; 1,120 lbs., \$45.00.

Copperas (Sulphate of Iron). The low cost of this makes it very valuable for field as well as lawn use, it being one of the best articles for the destruction of Canada thistle and other weeds difficult to eradicate. Especially valuable for eradicating dandelion, sorrel, etc. It dilutes 100 lbs. to 52 gallons of water, enough to treat an acre, and is applied with a sprayer. While it destroys weeds it stimulates the grass. 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$1.75; 200 lbs., \$2.50; 500 lbs., \$5.75; 1000 lbs., \$11.00.

Cotton Seed Meal. Apply 600 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.75; \$5.00 per 200 lbs.; ton, \$40.00.



Cow or Cattle Manure (Shredded).

One sack of this is equal to one cart-load of cow manure, is convenient to handle, making it possible for everyone to get this usually scarce article at all times. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; \$2.00 per 100 lbs.; 500 lbs., \$9.00; \$16.00 per 1000 lbs.; ton, \$30.00.

Fermo-Germ (see page 31). A nitrogen-gathering bacteria to be used when planting or sowing leguminous plants,

as clover, peas, beans, etc. Garden size bottles, 50c.; acre size bottles, \$2.00.

Fish Guano or Dried Fish. Apply 300 to 400 lbs. per acre. For truck and plant forcing this is recommended. Also used to mix with other fertilizers to increase the ammonia analysis. In 200-lb. sacks only, \$6.00; \$52.50 per ton.

Guano Peruvian Substitute. Apply 600 lbs. per acre. This has a very high analysis of all necessary plant-food elements and is now extensively used in place of Peruvian Guano, which has become extremely scarce. It is recommended for all farm and vegetable crops. Per 25 lbs., 85c.; \$1.50 per 50 lbs.; per 100 lbs., \$2.65; \$4.00 per 200 lbs.; per ton, \$37.00.

Hog Manure (Pulverized). A fine top dressing for lawns or gardens; apply 1000 lbs. per acre. In 100-lb. bags only, \$2.00; \$9.00 per 500 lbs.; ton, \$30.00.

Horn Shavings. Used principally for mixing in potting soil, is rich in ammonia; especially valuable in chrysanthemum growing. 10c. per lb.; 5 lbs., 40c.; \$1.75 per 25 lbs.; 50 lbs., \$2.75; \$5.00 per 100 lbs.

Horse Manure (see Manure, page 221).

Kainit (Potash Salts). Apply about 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 50c.; \$1.25 100 lbs.; 200 lbs., \$2.00; \$15.00 ton.

Kalaka (Fertilized Grass Seed). This is a combination of pure pulverized animal manures and recleaned, fine-bladed, dense-growing grasses. It is ideal for use on lawns and grass plots. It performs two operations at one time, namely, it renovates the lawn and fertilizes it. 2-lb. boxes, 50c.; \$1.00 for 5 lbs.

Land Plaster. Apply about 1000 to 1500 lbs. per acre. For a top dressing on sour and wornout soils, also for mixing with Paris Green. 5 lbs., 15c.; 35c. per 25 lbs.; 50 lbs., 60c.; \$1.00 per 100 lbs.; 200 lbs., \$1.50; \$10.00 per ton.



Lawn Dressing (*Michell's Odorless*). Apply 500 to 600 lbs. per acre. A quick stimulant for lawns and grass lands. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.00 per 200 lbs.; 1000 lbs., \$21.00; \$40.00 per ton.

Lime (*Ammoniated Lawn*). (*Destroys Weeds in 48 Hours*.) A chemical compound which when applied as a dressing kills all weeds in lawns, a single application is generally all that is needed. Select a bright sunny day, apply at the rate of 1 lb. to 40 square feet (a space 10 x 4). It fertilizes the grass, besides destroying the weeds. 2-lb. tin, 30c.; 60c. for 5 lbs.; 25 lbs., \$2.00; \$6.00 per 100 lbs.

Lime (*Hydrated or Powdered*). This is a very fine article for distributing on grass. It promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre on fields or 1/2 ton on lawns. Per 100-lb. sack, \$1.25; 500 lbs., \$4.75; ton, \$12.50. Special price in carload lots and f. o. b. factory.

Lime (*Lump or Land*). This is the screenings or forkings from the lime kilns and is extremely valuable for field use. In car lots only; price on application. Apply 2,500 to 3,500 lbs. per acre.

Limestone (*Pulverized*). For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags (no smaller quantity sold), \$1.00 per bag; 1000 lbs., \$6.00; \$10.00 per ton. (\$6.25 per ton, f. o. b. factory.)

Mak-Gro. An odorless Plant Food, particularly adapted for house and conservatory plants. 1-lb. box (enough for 50 4-in. pots of flowers), 25c.; \$1.00 per 5 lbs.

Manure (*Dried Pulverized Horse*). In 100-lb. bags only; richer in analysis than sheep manure; excellent for vegetable or flower gardens; a sack is equal almost to a cartload. Per 100 lbs., \$2.25; \$10.50 for 500 lbs.; 1000 lbs., \$17.50; \$32.00 per ton.

Manure (*Fresh Horse and Cow*). At short notice we can usually supply first-class horse and cow manure in carload lots only. Prices quoted on request.

MAPES' CELEBRATED FERTILIZERS. No less than 200-lb. sacks of Mapes' fertilizers are sold.

	F. O. B. Factory 200 lbs.	F. O. B. Phila. Ton	F. O. B. Factory 200 lbs.	F. O. B. Phila. Ton
Potato Manure.....	\$4.20	\$39.00	\$4.50	\$42.00
Corn Manure.....	3.95	37.00	4.25	40.00
Complete Manure, for general use.....	4.50	42.00	4.75	45.00
Complete Manure, for average soils....	4.45	42.00	4.75	45.00
Complete Manure, for light soils.....	4.75	46.00	5.00	48.50
Vegetable Manure, for all soils.....	4.75	46.00	5.00	48.50
Early Vegetable and Truck Manure...	4.75	46.00	5.00	48.50

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. This must be used with great care, as it is very powerful. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50% actual potash. 1 lb., 10c.; 35c. per 5 lbs.; 10 lbs., 50c.; \$1.15 per 25 lbs.; 50 lbs., \$1.75; \$3.25 per 100 lbs.; 200 lbs., \$6.00; \$28.00 per 1/2 ton.

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ozs. to 1 gal. of water and do not apply oftener than twice a week. 8c. lb.; 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$2.25 per 50 lbs.; 100 lbs., \$4.00; \$7.50 per 200 lbs.; 1/2 ton, \$35.00; \$67.50 per ton.

Nitro Germ (*Mulford's*). For innoculating Clovers and other legumes of all kinds. When ordering, please state for what crop you desire to use it. Garden size (1/4 acre), 50c.; 1 acre size, \$2.00; 5 acre size, \$9.00.

Plant Food (*Michell's*). A highly concentrated chemical fertilizer for house use. 15c. per 6-oz. pkg. (by mail, 24c.); 4 pkgs. by express (not prepaid), 50c.

Plant Food (*Bowker's*). Similar to the above in character and purpose, entirely odorless. 4-oz. pkgs., 15c. (by mail, 24c.); 12-oz. pkgs., 25c. (by mail, 40c.).

Phosphate for Corn (*Phosphate and Potash*). Apply 500 to 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of either field or sugar corn. Per 200 lbs., \$3.25; per 1/2 ton, \$13.00; \$25.00 per ton.

Phosphate, High-Grade Acid Tennessee or South Carolina Rock. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$2.00; \$14.50 per ton.

Phosphate, Michell's High-Grade Ammoniated. For all vegetable crops, grain, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.75; \$3.00 per 200 lbs.; ton, \$25.00.

Phosphate (*Thomas' Basic Slag*). Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich luxuriant growth; apply 600 to 800 lbs. per acre. \$2.50 per 200-lb. bag; per ton, \$20.00.

Pig Manure (see Hog Manure).

Potato Phosphate (*Michell's Hi-Grade*).

Apply 400 to 600 lbs. per acre. The best fertilizer for potatoes, being extremely rich in every ingredient that potatoes thrive on. 25 lbs., 85c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$4.00 per 200 lbs.; 1/2 ton, \$18.00; ton, \$35.00.

Potato Manure (*Baugh's*). Apply at the rate of from 400 to 600 lbs. per acre. 25 lbs., 75c.; \$1.10 per 50 lbs.; per 100 lbs., \$2.00; \$3.50 per 200 lbs.; per ton, \$30.00.

Poudrette (*Native Guano*). Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled. Poudrette is absolutely harmless to human beings. Applied as a fertilizer to any garden crop. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.50; \$2.75 per 200 lbs.; 600 lbs., \$6.00; \$9.50 per 1000 lbs.; per ton, \$18.00.

Salt. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. 10 lbs., 20c.; 30c. for 25 lbs.; 50 lbs., 55c.; \$1.00 per 100 lbs.; 200 lbs., \$1.50; \$10.00 per ton.

Sheep Droppings (*Natural, not Pulverized*). Extensively used for liquid manure. 100-lb. bags, \$3.25; \$12.50 per 500 lbs.

Sheep Manure (*Wizard Brand*). Apply 1000 lbs. per acre. For garden, lawn or greenhouse use, nothing surpasses sheep manure, it is clean and easily handled, besides giving immediate results. 2 lbs., 15c.; 25c. per 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.; 500 lbs., \$9.00; \$16.00 per 1000 lbs.; per ton, \$30.00.



Soot (*Imported Scotch*). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on and underneath the surface. 10c. lb.; 5 lbs., 35c.; \$1.00 per 25 lbs.; 112 lbs., \$3.75.

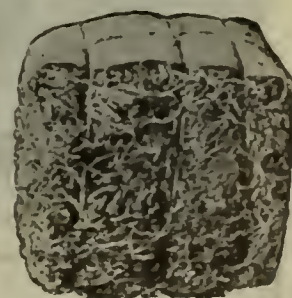
Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. This material will stimulate growth almost immediately. Analysis, equal to 25% of ammonia. 1 lb., 10c.; 35c. per 5 lbs.; 10 lbs., 65c.; \$1.50 per 25 lbs.; 50 lbs., \$2.75; \$5.00 per 100 lbs.; 200 lbs., \$9.50.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for root and grain crops. Analysis, equal to 50% of actual potash. 10c. per lb.; 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$2.25 per 50 lbs.; 100 lbs., \$3.75; \$7.00 per 200 lbs.

Tankage. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.00 per 200 lbs.; ton, \$36.00.

Thomson's Special Flower, Vegetable and Vine Manure. Imported from England, this excellent chemical fertilizer is extensively used wherever it is desired to force flowers or vegetables. 15c. lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$1.75; \$3.25 per 56 lbs.; 112 lbs., \$6.25.

Tobacco Stems. For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in winter. 1 lb., 5c.; 20c. per 5 lbs.; per bushel, 50c.; \$1.00 per barrel sack; large bales, \$2.00; \$6.50 per 1/2-ton; ton, \$12.00.



Wood Ashes. See Ashes at top of opposite page.

Wheat Fertilizer. Recommended especially for all grass and grain crops. Apply 500 to 600 lbs. per acre. 200 lbs., \$3.25; 1/2 ton, \$13.00; \$25.00 per ton.



You can have a Conservatory like this if you use Alphano Humus

100-lb. bag; 500 lbs., \$4.50; \$8.00 per 1000 lbs.; per ton, \$15.00. Special price f. o. b. factory and on car lots.

This article is prepared from deposits of decayed vegetable matter, taken from the bottom of an abandoned dried lake. It has been successfully used for several years and has proven to be worthy of extensive use. It is desirable for greenhouse, lawn, golf grounds, vegetable and flower garden work. Humus in some form is the most essential element of plant life. It is rich in Ammonia, Phosphoric Acid, Potash and Lime and shows an analysis of between 77 and 80 per cent of Humus. For lawns it is applied as a top dressing from $\frac{1}{2}$ to 1 inch in depth, which should be then worked in.

If grass seed is to be sown, then is the time to apply it. On golf links it is used in a similar way.

For Flower and Vegetable garden, apply at rate of $\frac{1}{2}$ to 2 inches deep and fork it well in the soil, or apply it in trenches, the same as you would well rotted manure.

For pot plants mix about 1-3 of the Humus with 2-3 of regular potting soil. A ton of Humus is equal to about 2 cubic yards. The smallest quantity sold is 100 lbs. \$1.00 per

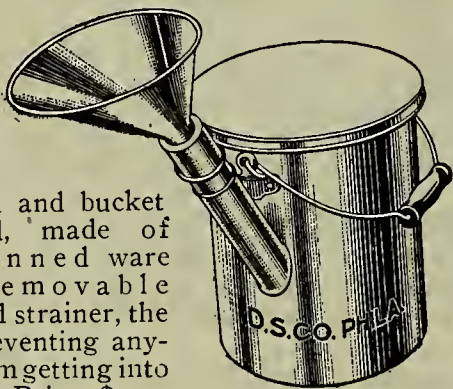
ARTICLES FOR THE STABLE AND DAIRY

WATER PAILS

Heavy Galvanized Iron, 12 qt. capacity, 35c.

Best Quality, White Cedar, with galvanized Hoops, 12 qt. capacity, 75c.

PERFECT MILKING PAIL



A stool and bucket combined, made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, \$3.75.

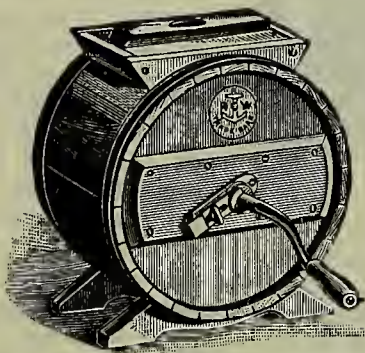
CALF WEANERS

Easily attached, cannot harm either the calf or the cow.

No. 1, for calf under one year, 35c.

No. 2, for calf over one year, 50c.

No. 3, for cows, 75c.



RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned.

No.	
1-3 gals	\$2.00
2-4 "	2.40
3-7 "	3.00

BUTTER PAPER

In packages of 1000 sheets only.

6 x 8 inches ...	\$0.50	7 x 9 inches ...	\$0.65
6 x 9 inches ...	.55	8 x 11 inches ..	.85



BULL RINGS

Made of copper, working on a screw hinge, complete with screw fastener as shown. Price, 35c.

BUTTER COLORING

Harmless and guaranteed under the Pure Food and Drugs Act; 25c., 50c. and \$1.00 per bottle; per gal., \$2.25.

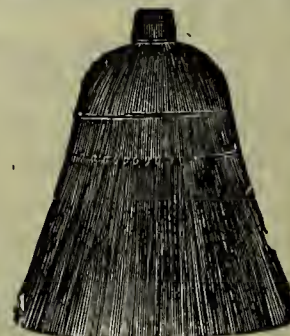


SALT BRICKS

For Dairy Cows, Horses and other animals. This is an essential to general good health in stables among horses and cattle, fastened on the wall, it is accessible at all times and remains clean. Per brick, 25c.; \$2.25 per doz.

Salt Brick Holders. 35c. each; \$3.25 doz.

BROOMS AND BRUSHES



Fibre Broom (see cut)	\$0.60
Corn and Rattan Broom, mixed .....	.60
Golf Greens Broom (birch) .....	.30
Plain Corn Broom, extra quality ....	.45
Rattan Push Broom, 14 in. (see cut) ..	.75
" Sweeping Broom .....	.60
Bass or Cocoa Push Broom, 14 in. ....	.75

To those who are interested we will be pleased to mail a complete catalogue on Bee Supplies, also Dairy Equipment of all kinds. This material we can furnish promptly at factory prices.

"ILLINOIS" SELF-WATERING FLOWER BOXES

223

Patent January 29, 1907; June 22, 1909

Made entirely of metal, handsomely finished and warranted five years against Rot, Rust or Leakage. Constructed with Reservoir in Bottom which automatically waters plants *at the roots* for 10 to 20 days without attention. We can supply these boxes in any length desired, on short notice, made in sections of three or four feet each and interlocking to give the appearance of one continuous box.

WINDOW BOXES



Showing Interior Construction and Water Space in an "ILLINOIS" SELF-WATERING WINDOW BOX

The American home owner often objects to wooden window boxes, as they at times cannot be used to advantage. "Illinois" Self-Watering Window Boxes do not leak and may, therefore, be placed in any window with the perfect assurance that no annoyance will be caused from leakage.

No.	Height	Width	Length	Water capacity	Price
0	6 in.	6	16 in.	1 qt.	\$1.00
1	8 in.	9½	23 in.	2½ qts.	1.60
2	8 in.	9½	25 in.	3 qts.	1.75
3	8 in.	9½	27 in.	3½ qts.	1.90
4	8 in.	9½	29 in.	4 qts.	2.05
5	8 in.	9½	31 in.	4½ qts.	2.20
6	8 in.	9½	33 in.	5 qts.	2.35
7	8 in.	9½	35 in.	5½ qts.	2.50
8	8 in.	9½	37 in.	6 qts.	2.65
9	8 in.	9½	39 in.	6½ qts.	2.80
10	8 in.	9½	41 in.	7 qts.	3.00



This is how an "ILLINOIS" SELF-WATERING WINDOW and WINDOW BOX Looks when Filled

See also page 204 for Rustic Ware, other Window Boxes, etc.

PORCH BOXES

These boxes are made of a heavier grade of iron than the window boxes, of about the same form, and are both wider and deeper. They are made slightly smaller across the bottom than across the top. Brass eyelets are ranged along the top edges so they may be hung from cornice of porch if desired.

No.	Height	Width	Length	Water capacity	Price
21	9 in.	12	37 in.	7 qts.	\$3.00
22	9 in.	12	41 in.	8 qts.	3.40
23	9 in.	12	45 in.	9 qts.	3.75
24	9 in.	12	49 in.	10 qts.	4.00
25	9 in.	12	53 in.	11 qts.	4.25

HANGING BASKETS

You will never know how nice a Hanging Basket is until you have tried the "Illinois" variety. No dripping of muddy water on your furniture or floor. No taking down to water. No attention at all except filling reservoir once a week.

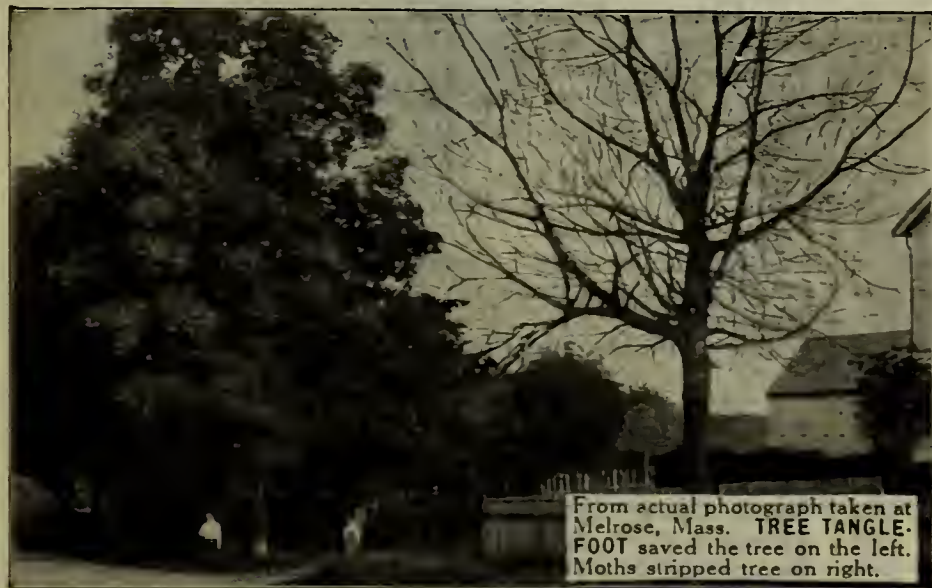
No.	Size	Depth	Water capacity	Price
8	8 in. sq.	7 in.	1 qt.	\$1.00
10	10 in. sq.	7 in.	1½ qt.	1.25
12	12 in. sq.	8 in.	2½ qt.	1.50
14	14 in. sq.	9 in.	3½ qt.	1.75

Chain for same, 2½c. per foot.



An "ILLINOIS" SELF-WATERING HANGING BASKET Filled Showing Method of Filling Water Reservoir

By actual test it has been proven that plants thrive better in Illinois Self Watering Window Boxes and Baskets than in any other receptacle. Try a box or basket; beautify your window or porch.



From actual photograph taken at Melrose, Mass. TREE TANGLE-FOOT saved the tree on the left. Moths stripped tree on right.

Band with Tree Tanglefoot!

See also pages 218-219 for a complete line of Insect Destroyers

TREE TANGLEFOOT (Caterpillar Preventative)

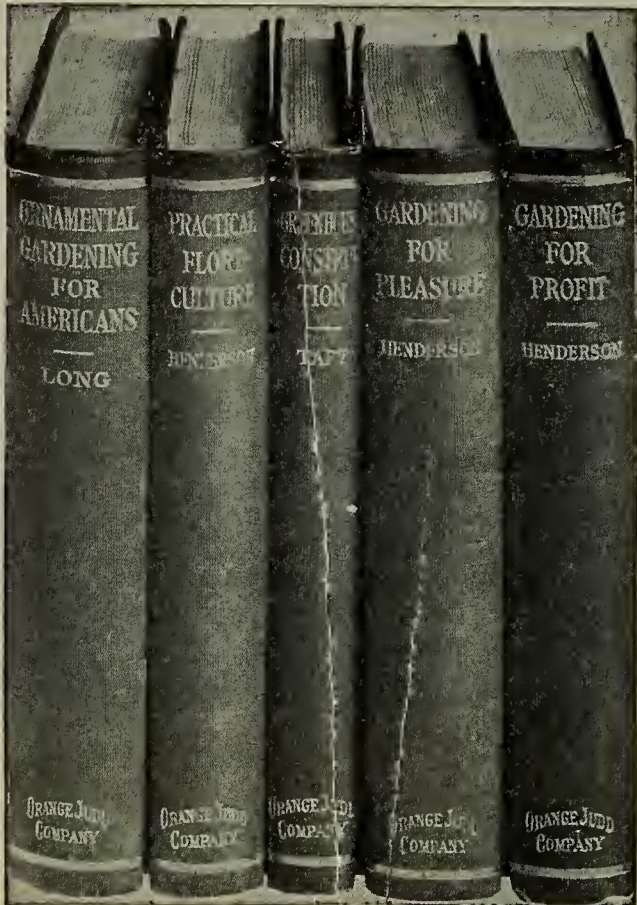
No Caterpillar and creeping insect escapes its sticky, deadly grip.

The destroying army is coming. Don't wait until you see the vanguard. Band your trees with Tree Tanglefoot two weeks before the Gypsy, Browntail and Tussock Moth Caterpillars and Canker Worms, Climbing Cut Worms and Bag Worms begin their ravaging work.

EASILY AND QUICKLY APPLIED WITH A WOODEN STICK

Tree Tanglefoot is harmless and the only sure and safe protective. One pound makes about nine lineal feet of band. One coating lasts three months and longer in any temperature, rain or shine—remains sticky and powerful twenty times as long as any other substance. Needs no mixing—just open the can and apply. Will not soften or run down the trunks of the trees. Absolutely prevents any creeping, crawling pests from harming your trees.

Prices: One-pound cans, 30c.; three-pound cans, 85c.; ten-pound cans, \$2.65; twenty-pound cans, \$4.80; \$8.75 per 40 lb. can.



BOOKS ON FLOWERS, VEGETABLES, Etc.

Agriculture, The Principles of (Bailey). A text-book..	\$1.25
Amateur's Practical Garden-Book. Contains directions for the growing of the things about the house and garden	1.00
Asparagus. (Hexamer). Its culture for home for market	.50
Berry Book (Biggle) .....	.50
Botany (Wright). Cloth .....	.50
Bulbs and Tuberous Rooted Plants (Allen)	1.50
Cabbage, Cauliflower and Allied Vegetables (Allen)....	.50
Carnation Culture (Lamborn). An up-to-date book	1.50
Celery for Profit. New and improved methods described..	.20
Chrysanthemum Manual. (Smith) A complete guide....	.50
Daffodils and Narcissus (Kirby)	1.20
Dictionary of Gardening (Nicholson)	4 vols. 18.00
Encyclopedia of American Horticulture (Bailey) 4 vols..	20.00
Farm and Garden Rule Book (Bailey)	2.00
Farm Book (The New American). (Allen) 526 pages....	2.00
Farming (Practical) (Massy)	1.50
Fertilizers (Gregory). How to Make and When to Use..	.50
Flowers, How to Grow Them (Rexford).....	.50
Forcing Book (Bailey).	1.50
Four Seasons in the Garden (Rexford). Profusely illus..	1.50
Fruit Culturist American (Thomas)	2.25
Fruit Garden (Barry)	1.50
Gardening for Pleasure. A guide to the amateur in the fruit, flower and vegetable garden	1.50
Gardening for Profit. On vegetable gardening	1.50
Garden-Making (Bailey). Tells how to utilize grounds..	1.50
Garden Primer. A heap of practical suggestions	1.10
Ginseng (Kaines). Cultivation, harvesting and marketing..	.50
Grape Culturist (Fuller). Best work on the hardy grape..	1.50
Grasses for lawns and fields (J. T. Barenbrug)	1.00
Greenhouse Construction (Taft)	1.50
Greenhouse Management (Taft)	1.50
Garden Book (The practical) (Hunn and Bailey).....	1.00
Handbook of Plants (Henderson). A dictionary on plants:	3.00
Hardy Garden Book (Ely)	1.75
Home Floriculture (Rexford). A practical guide on flow- ering and ornamental plants for the amateur	1.00
House Plants and How to Succeed with Them. (Hill- house). A splendid book for ladies who grow plants....	1.00
How to Plan the Home Grounds (Parsons)	1.00

BOOKS ON FLOWERS, VEGETABLES, ETC. (Continued)

Landscape Gardening (Maynard).....	\$1.50
Lawns (By Barron).....	1.50
Mushroom Culture (Robinson). An English work .....	.50
Mushrooms, How to Grow (Falconer).....	1.00
Nursery Book (Bailey). A complete guide.....	1.50
Onion Culture, The New (Greiner) .....	.50
Ornamental Gardening (Long)	1.50
Practical Floriculture (Henderson).....	1.50
Principles of Fruit Growing (Bailey)	1.50
Potato Culture (Rogers).....	.50
Pruning Book (Bailey). Principles and practices of prun- ing and training as applied to American conditions.....	1.50
Peanut Culture (Jones) .....	.50
Rhubarb Culture (Morse).....	.50
Rose Culture (Ellwanger). A standard book on Roses..	1.25
Small Fruit Culturist (Fuller)	1.00
Spraying for Profit (Weed). .....	.20
Strawberry Culture (Fuller). Contains all information..	.25
Sweet Pea Culture (Michell). Free with orders.	
Sweet Potato Culture (Fitz).....	.50
Scented Garden Book (Burbridge).	1.10
Soils (By Burkett).	1.25
The Small Country Place (Maynard). Well illustrated..	1.50
Tomato Culture .....	.30
Vegetable Gardening (Baily).	1.50
Vines and How to Grow Them (All kinds)	1.10
Violet Culture (by Galloway)	1.50
Violet Culture (Saltford) .....	.25
Water Gardens (How to make) (Tricker) .....	.50
Wild Garden Book (Fitzherbert)	1.10
Wild Flowers (Lounsbury).	1.75
Winter Garden Book (Fish)	1.10

BOOKS ON POULTRY AND ANIMALS

A. B. C. of Bee Culture (Root).....	\$1.50
Artificial Incubating and Brooding. 96 pages, illustrated.	.50
Asiatic Breed, The .....	.50
Bantam Fowl (The). By McGrew. 72 pages.....	.50
Brahmas, Cochins and Langshans. 100 pages .....	.50
Capons for Profit (Greiner) .....	.50
Chickens, All About (Johnson). Cloth, 50c.; paper, 25c.	
Chick Book (The). Tells how to obtain good hatches. 80 pages	.50
Diseases of Poultry (Salmon) .....	.50
Dog, The (Maxtee) Cloth, 50c.; paper, 25c.	
Ducks and Geese gives all details. 104 pages.....	.75
Ducks, Indian Runner (Yoder) .....	.50
Egg Record and Account Book. 32 pages .....	.25
Eggs and Egg Farms. The lengthy chapters on pedigree breeding will be found invaluable to breeders of all strains.	.50
Eggs the Year Round (Foster) .....	.15
200 Eggs per Year per Hen .....	.50
Leghorns. The best mating schemes clearly described.....	1.00
Million Egg Farm (The)	1.00
Money in Broilers and Squabs (Boyer).....	.50
Money in Squabs (Howard) .....	.50
Orpingtons (The) .....	.75
Plymouth Rocks (The). Barred, Buff and White. Special- ists describe mating and breeding methods. 160 pages....	1.00
Profits in Poultry	1.00
Poultry Accounting (Alexander) .....	.50
Poultry Account Book (Wellers)	2.00
Poultry Craft	1.50
Poultry Houses and Fixtures shows plans of all practical and labor-saving houses, designs for inside fixtures, also roosting coops and coops for young chicks. 96 pages....	.50
Reliable Poultry Remedies.....	.25
Rhode Island Reds (Hale) .....	.75
Squab Book (Practical) .....	.50
Squab Book (Howard) .....	.50
Standard of Perfection. Explains all the scoring points....	2.00
Successful Poultry Keeping contains complete and prac- tical, reliable information on the subject. 176 pages, illus.	1.00
Turkeys. Every detail of the business explained. 96 pages.	.75
Winter Eggs (How to Get Them) (Robinson).....	.50
Wyandottes, The. (Grevendstedt) All strains. 160 pages.	1.00
Minorcas (Northrup) .....	.50
Wyandottes (McGrew)	1.00

Michell's Rustic Bird and Wren Boxes

In the past few years there has been revived a great interest everywhere in birds. There are many desirable species that would settle near our homes, if we provided them with some suitable place for breeding. A few attractive Bird Boxes, placed where they can easily be found, either in trees or on posts, will induce our feathered friends to seek a lodging, help beautify the garden, and make an otherwise dull spot bright. The prices at which these Boxes are sold are so low that you can afford a number of them. With the exception of the Sparrow Trap, shown below, the Boxes are principally designed for Wrens or other small birds. We have a variety of Colony Bird Houses, not shown here, in stock. To avoid errors, please order by number.



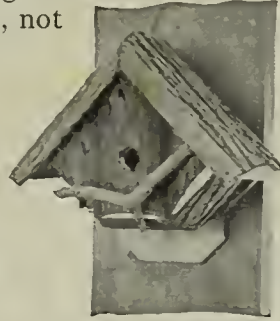
No. 11—\$1.25



No. 13
\$1.25



No. 77—\$5



No. 9—\$1.25



No. 12—\$1.25
Made to swing

Price of any of the above in Wren size (except No. 77), as shown, \$1.25 each, three for \$3.50, six for \$6.50, twelve for \$12.

No. 77. 4-roomed MARTIN OR BLUEBIRD HOUSE of cedar and white birch, \$5 ea.

Rustic Sparrow Trap

This Trap has been improved by doing away with the unsightly bag that was formerly attached to the bottom, and providing a drawer instead, where you can see what you have caught before destroying it; also providing small holes for escape, in case you get an innocent Wren, or other small desirable bird.

The tipping chamber is made of aluminum, to secure lightness, ease of action and to avoid rust.

U. S. Government Bulletin, No. 493, which can be obtained by writing to the Department of Agriculture, Washington, D. C., will tell you how to dispose of your "catch," and lots of other valuable information. The Trap should be put away when not in use. In event of your forgetting to attend to it, and birds may suffer, food and water can be placed in the drawer and then it may be left for a week. A few Sparrows in it will act as a decoy. Price, \$5.

Other styles and various-priced Bird Boxes in plain painted wood and rustic finish on hand constantly.



Rustic Sparrow Trap

Art-Crete Vases, Pedestals and Boxes



VASE A36. 12 inches high, 21 inches wide. Price \$5

This desirable ware, made of concrete, has been greatly reduced in price, to permit of its extensive use for porch, lawn, garden and terrace decoration. It is carefully made, will last forever, and is finished in some exceedingly clever designs. At first glance it looks to be chiseled out of solid stone, so well is it made and finished. It can be supplied in marble, granite or weather-tarnished copper effect. Customers should state which finish they desire, when ordering. The variety of designs is so large that we cannot show them here, but shall be pleased to mail a descriptive catalogue to anyone who is interested. Prices as given in the list are net, plus a 10 per cent additional charge, to cover packing costs, where delivery is to be effected by freight or express. In season we have on our

show-room floors a variety of the most popular styles and sizes, where a selection can easily be made.



VASE A3. 17 in. high, 24 in. wide Price \$11.50

Colonial Garden Seats

Made of wood and finished in an exclusive manner. The seat is about 2 inches thick, 19 inches wide with rounded sides and ends. These are made to order in any length desired, and can be finished in any color paint. The ideal seat for placing under pergolas, in English and Italian gardens, along paths and drives. \$1.75 per running foot, any length. In ordering, state what color you want them finished in.

HENRY F. MICHELL CO., 518 MARKET STREET, PHILADELPHIA

Plant Establishment and Experimental Grounds, Andalusia Station, above Torresdale, Pa.

Warehouses: 509-511-513 Ludlow Street, Phila.

MICHELL'S GRASS SEEDS

FOR ALL PURPOSES

MICHELL'S
PERMANENT PASTURE
GRASS SEED

85¢ PER PECK \$3.00 PER BUSHEL (15 LBS.)

MICHELL'S EVERGREEN
LAWN SEED
\$1.00 PER PECK
\$4.00 PER BUSHEL (20 LBS.)

MICHELL'S SPECIAL FORMULAS
AND SEPARATE VARIETIES OF
GRASSES FOR GOLF COURSES
AND PUTTING GREENS

HENRY F. MICHELL CO.
GRASS SEED SPECIALISTS
518 MARKET ST. PHILA.